

## CHAPTER 4

### POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE SOUTH FORK FORKED DEER RIVER WATERSHED

#### 4.1 Background.

#### 4.2. Characterization of HUC-11 Subwatersheds

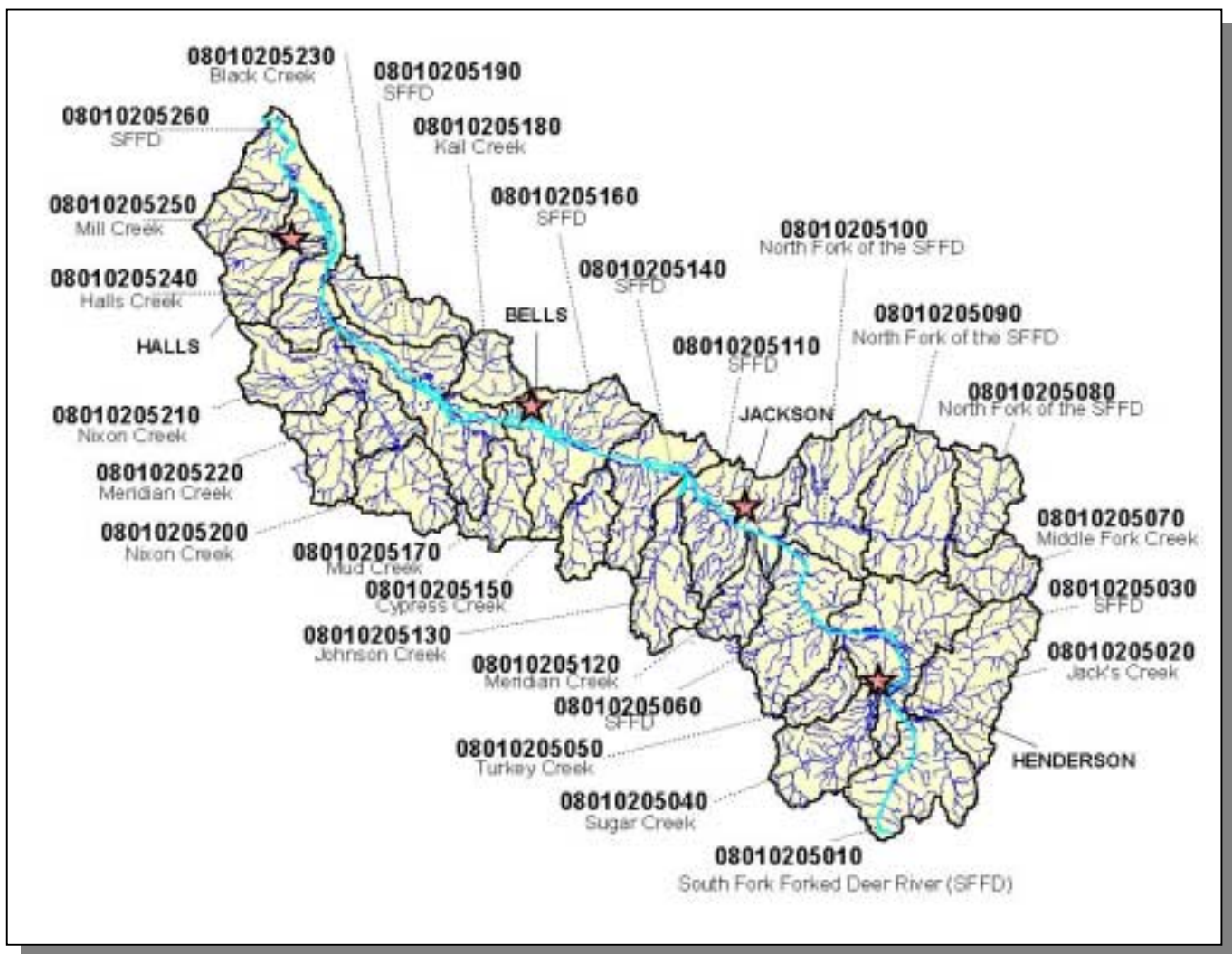
4.2.A. 08010205010  
4.2.B. 08010205020  
4.2.C. 08010205030  
4.2.D. 08010205040  
4.2.E. 08010205050  
4.2.F. 08010205060  
4.2.G. 08010205070  
4.2.H. 08010205080  
4.2.I. 08010205090  
4.2.J. 08010205100  
4.2.K. 08010205110  
4.2.L. 08010205120  
4.2.M. 08010205130  
4.2.N. 08010205140  
4.2.O. 08010205150  
4.2.P. 08010205160  
4.2.Q. 08010205170  
4.2.R. 08010205180  
4.2.S. 08010205190  
4.2.T. 08010205200  
4.2.U. 08010205210  
4.2.V. 08010205220  
4.2.W. 08010205230  
4.2.X. 08010205240  
4.2.Y. 08010205250  
4.2.Z. 08010205260

**4.1 Background.** This chapter is organized by HUC-11 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
- ii.a. Description of facilities discharging to water bodies listed on the 1998 303(d) list
- iii. Description of nonpoint source contributions

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 1.1 beta (developed by Tetra Tech, Inc for EPA Region 4) released in 2000.

WCS integrates with ArcView® v3.1 and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.



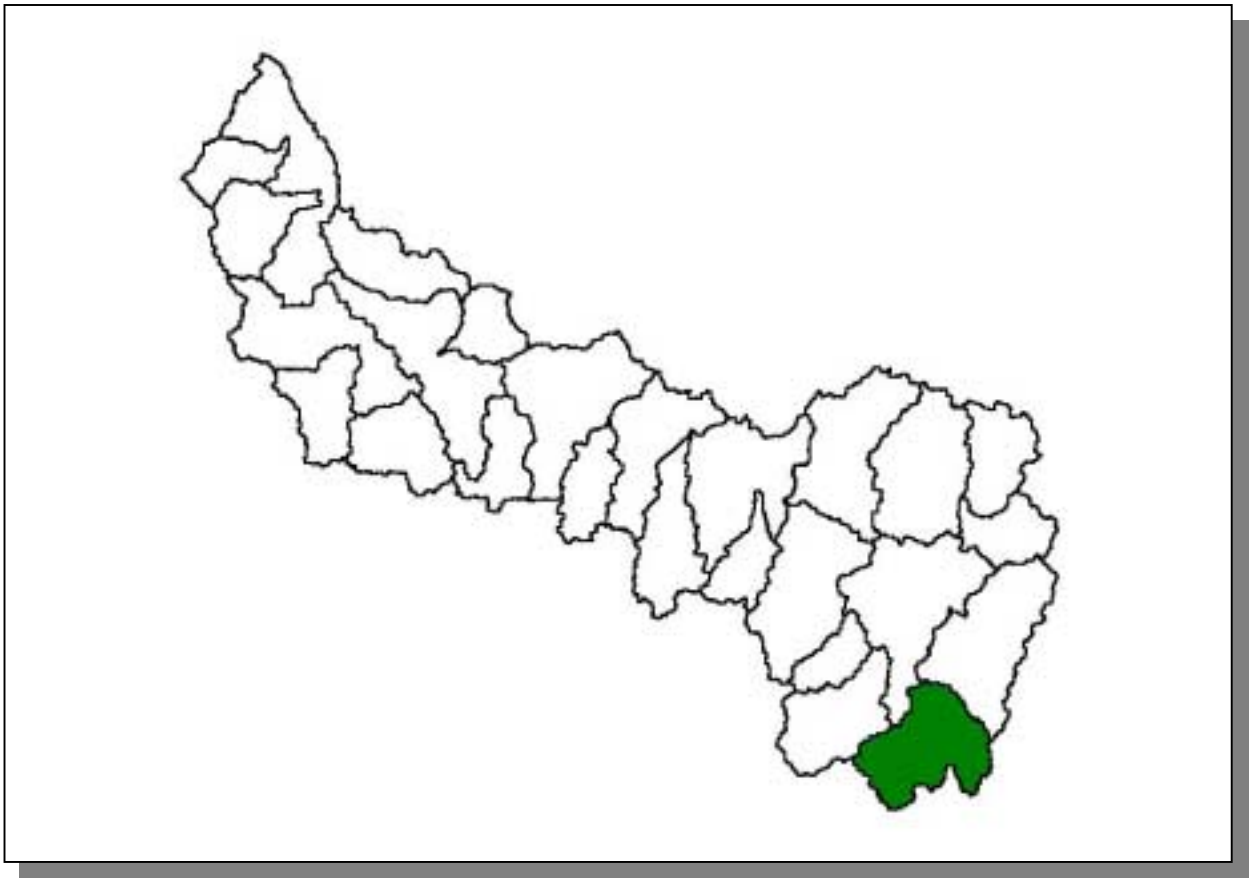
**Figure 4-1. The South Fork Forked Deer River Watershed is Composed of Twenty-six USGS-Delineated Subwatersheds (11-Digit Subwatersheds).** Locations of Bells, Halls, Henderson, and Jackson are shown for reference. SFFD, South Fork Forked Deer.

**4.2. Characterization of HUC-11 Subwatersheds.** The Watershed Characterization System (WCS) software and data sets provided by EPA Region 4 were used to characterize each subwatershed in the South Fork Forked Deer River Watershed. HUC-14 polygons were aggregated to form the HUC-11 boundaries for data analysis.

HUC-11	HUC-14
08010205010	08010205010010 (Huggins Creek)
08010205020	08010205010030 (Jack's Creek)
08010205030	08010205010020 (South Fork Forked Deer River)
08010205040	08010205010040 (Sugar Creek)
08010205050	08010205010050 (Turkey Creek)
08010205060	08010205010060 (South Fork Forked Deer River)
08010205070	08010205020020 (Middle Fork Creek)
08010205080	08010205020010 (North Fork of South Fork Forked Deer River)
08010205090	08010205020030 (North Fork of South Fork Forked Deer River)
08010205100	08010205020040 (North Fork of South Fork Forked Deer River)
08010205110	08010205030010 (South Fork Forked Deer River)
08010205120	08010205030020 (Meridian Creek)
08010205130	08010205030040 (Johnson Creek)
08010205140	08010205030030 (South Fork Forked Deer River)
08010205150	08010205030050 (Cypress Creek)
08010205160	08010205030060 (South Fork Forked Deer River)
08010205170	08010205030070 (Mud Creek)
08010205180	08010205030090 (Kail Creek)
08010205190	08010205030080 (South Fork Forked Deer River)
08010205200	08010205040010 (Nixon Creek)
08010205210	08010205040020 (Nixon Creek)
08010205220	08010205040030 (Meridian Creek)
08010205230	08010205030110 (Black Creek)
08010205240	08010205030120 (Halls Creek)
08010205250	08010205030130 (Mill Creek)
08010205260	08010205030100 (South Fork Forked Deer River)

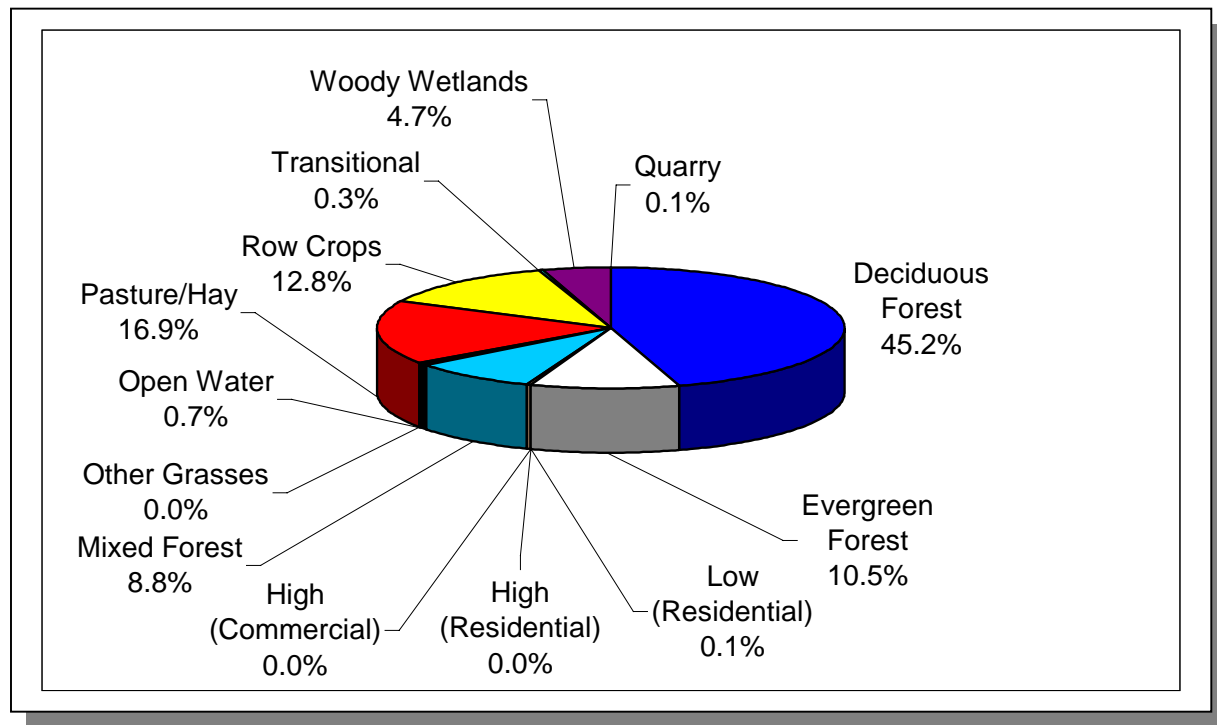
**Table 4-1. HUC-14 Drainage Areas are Nested Within HUC-11 Drainages.** USGS delineated the HUC-11 drainage areas. NRCS inventories and manages the physical database for HUC-14 drainage areas.

**4.2.A. 08010205010.**

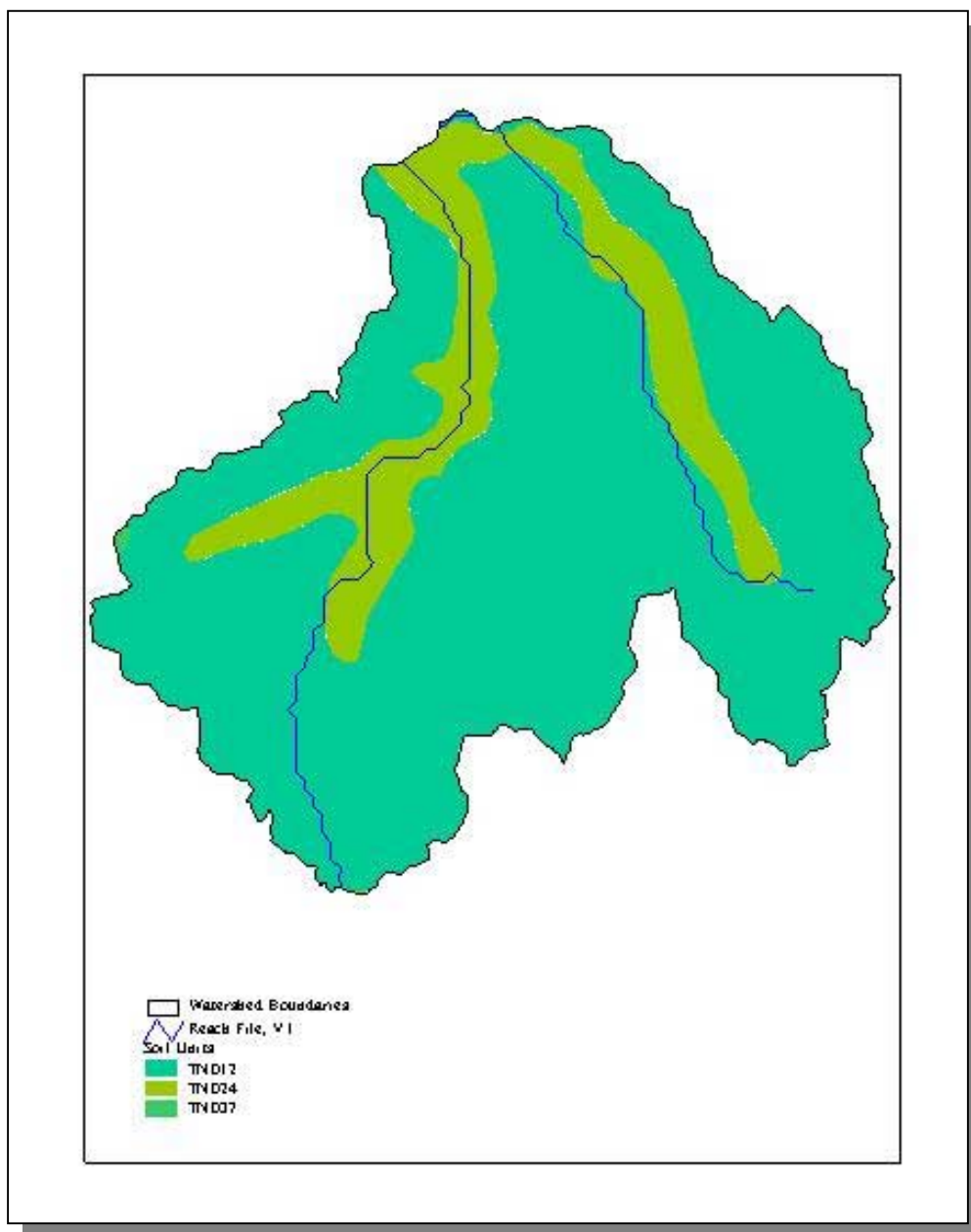


**Figure 4-2. Location of Subwatershed 08010205010.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.A.i. General Description.**



**Figure 4-3. Land Use Distribution in Subwatershed 08010205010.** More information is provided in SFFD-Appendix IV.



**Figure 4-4. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205010.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205010.** More details are provided in SFFD-Appendix IV.

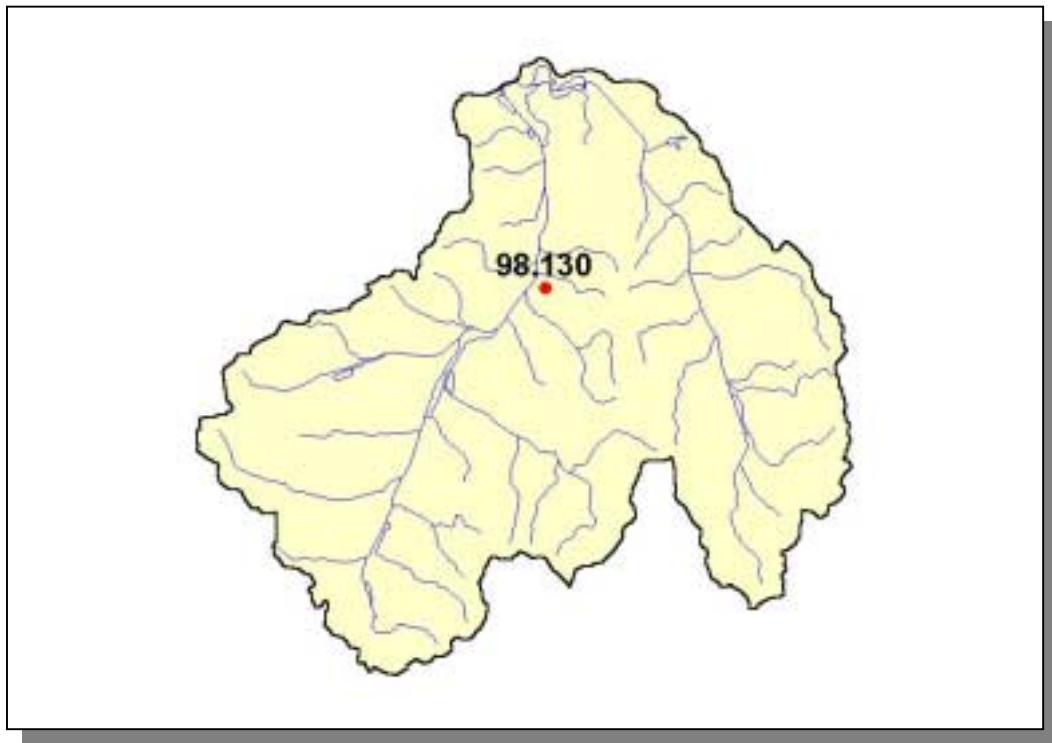
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County			Portion of Watershed (%)			
Chester	12,819	14,469	1.66	213	241	13.1
McNairy	22,422	23,678	7.94	1,779	1,879	5.6
<b>Totals</b>	<b>35,241</b>	<b>38,147</b>		<b>1,992</b>	<b>2,120</b>	<b>6.4</b>

*Table 4-3. Population Estimates in Subwatershed 08010205010.*

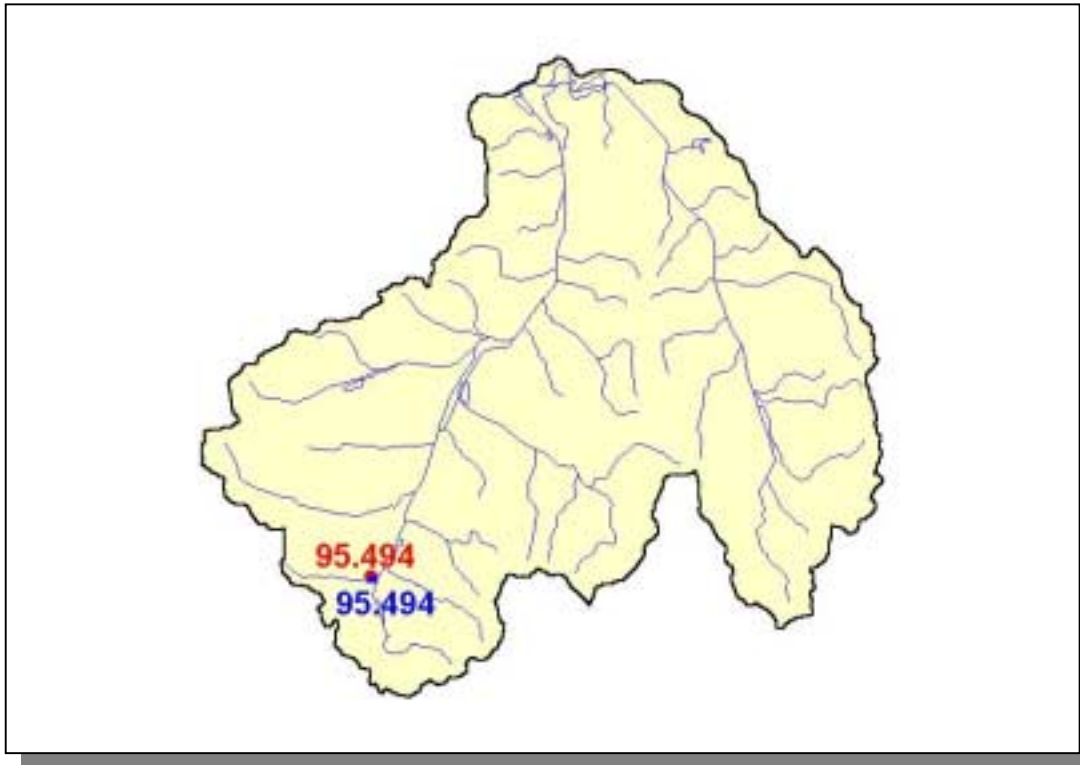
			NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Populated Place	County	Population				
Finger	McNairy	273	119	2	115	2

*Table 4-4. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205010.*

4.2.A.ii Point Source Contributions.



**Figure 4-5. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205010.**  
More information is provided in SFFD-Appendix IV.



**Figure 4-6. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010205010.** Impact (Blue Triangle) and mitigation (Red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

#### 4.2.A.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
1,041	<5	2,043	<5	2,108	18

**Table 4-5. Summary of Livestock Count Estimates in Subwatershed 08010205010.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

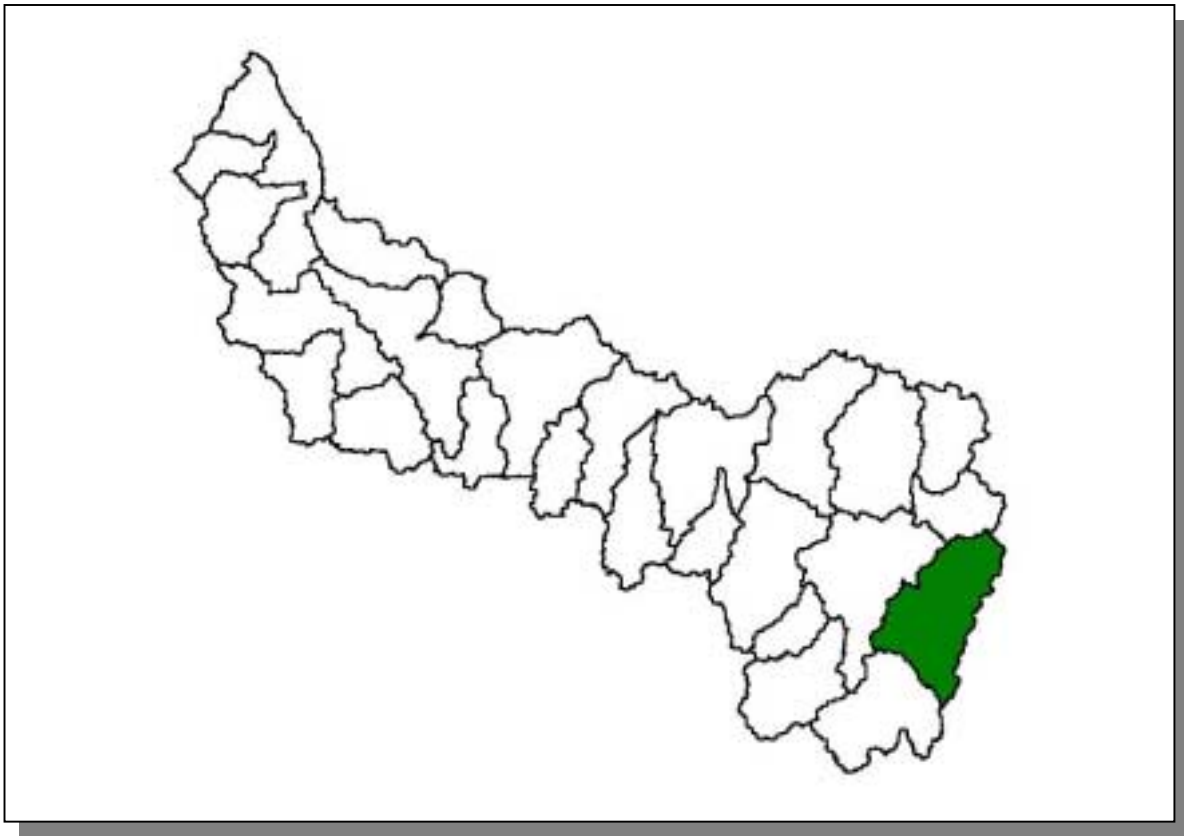
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Madison	140.7	140.7	2.4	11.5
<b>Totals</b>	<b>240.1</b>	<b>240.1</b>	<b>2.7</b>	<b>12.8</b>

**Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 08010205010.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	10.93
Soybeans (Row Crops)	9.41
Cotton (Row Crops)	6.83
Legume Grass (Hayland)	0.08
Grass (Pastureland)	0.53
Grass, Forbs, Legumes (Mixed Pasture)	0.57
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.10
Conservation Reserve Program Land	0.30
Wheat (Close Grown Cropland)	2.76
Grass (Hayland)	0.08
Other Cropland not Planted	2.07
Other Vegetable and Truck Crop	28.15
Sorghum (Row Crops)	3.62
Legume (Hayland)	0.12

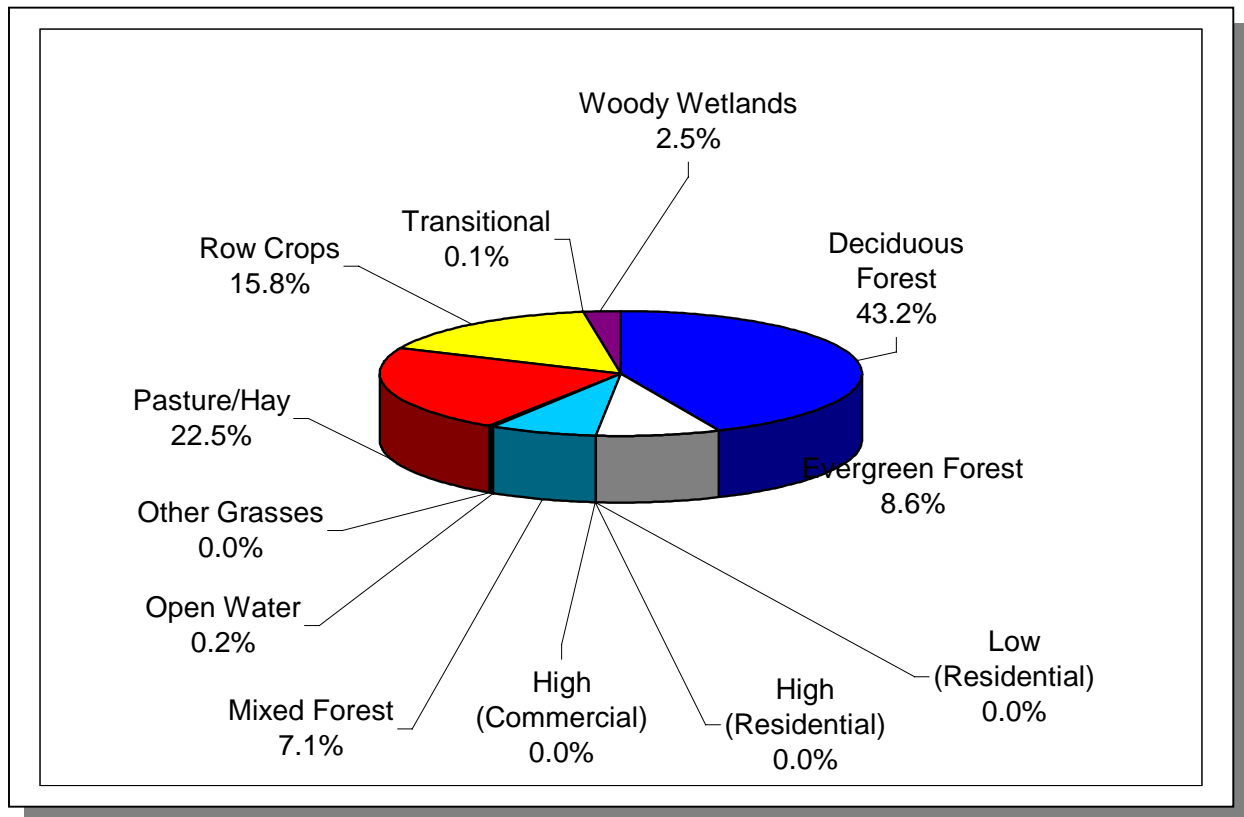
**Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 08010205010.**

4.2.B. 08010205020

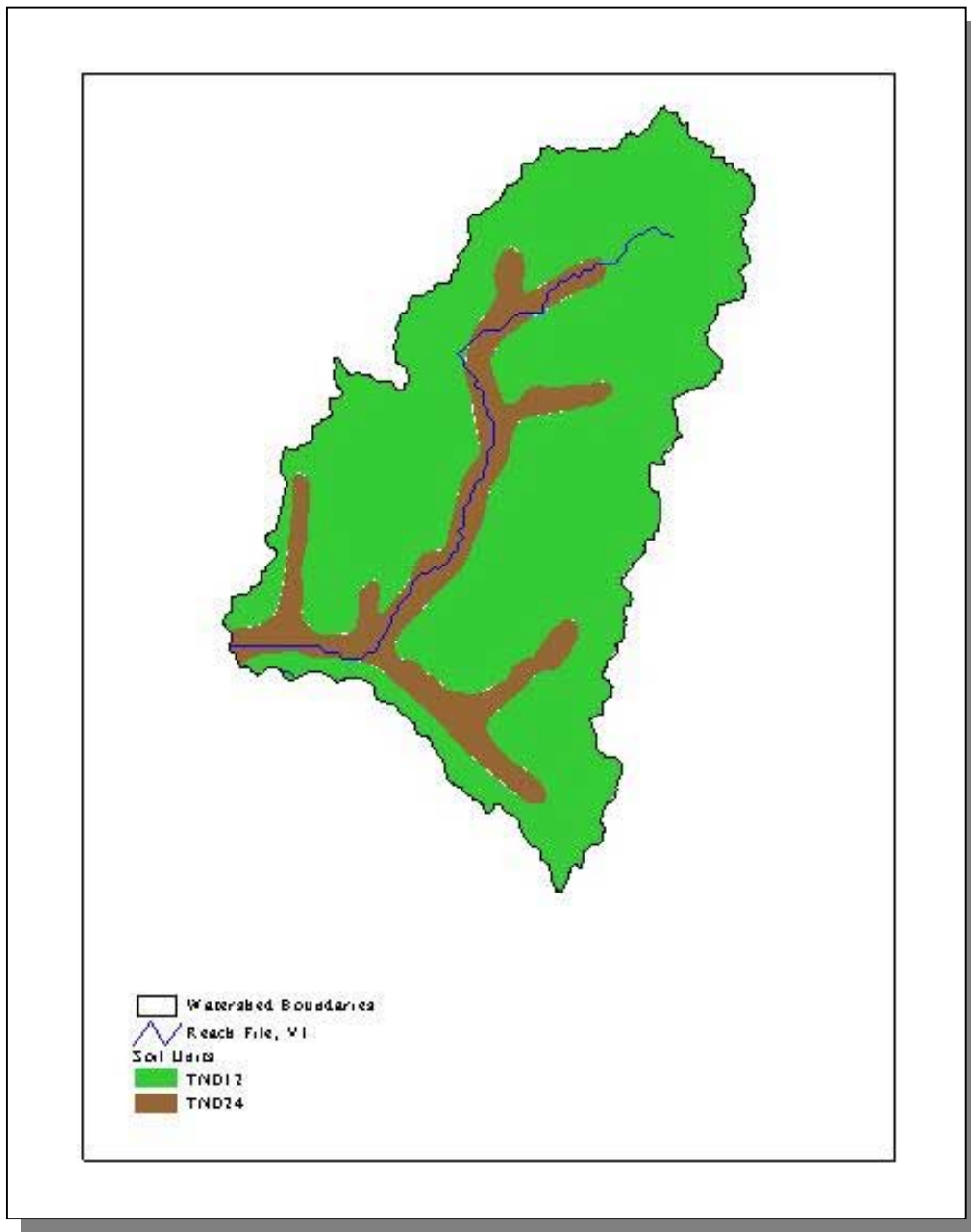


**Figure 4-7. Location of Subwatershed 08010205020.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.B.i. General Description.



**Figure 4-8. Land Use Distribution in Subwatershed 08010205020.** More information is provided in SFFD-Appendix IV.



**Figure 4-9. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205020.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29

**Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205020.** More information is provided in SFFD-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Chester	12,819	14,469	16.73	2,144	2,420	12.9
Henderson	21,844	24,000	1.03	226	248	9.7
McNairy	22,422	23,678	1.00	224	237	5.8
<b>Totals</b>	<b>57,085</b>	<b>62,147</b>		<b>2,594</b>	<b>2,905</b>	<b>12.0</b>

*Table 4-9. Population Estimates in Subwatershed 08010205020.*



*Figure 4-10. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010205020. More information is provided in SFFD-Appendix IV.*

**4.2.B.ii.** Point Source Contributions.

No Contributions.

**4.2.B.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
249	2,277	<5	<5	506	<5

**Table 4-10. Summary of Livestock Count Estimates in Subwatershed 08010205020.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

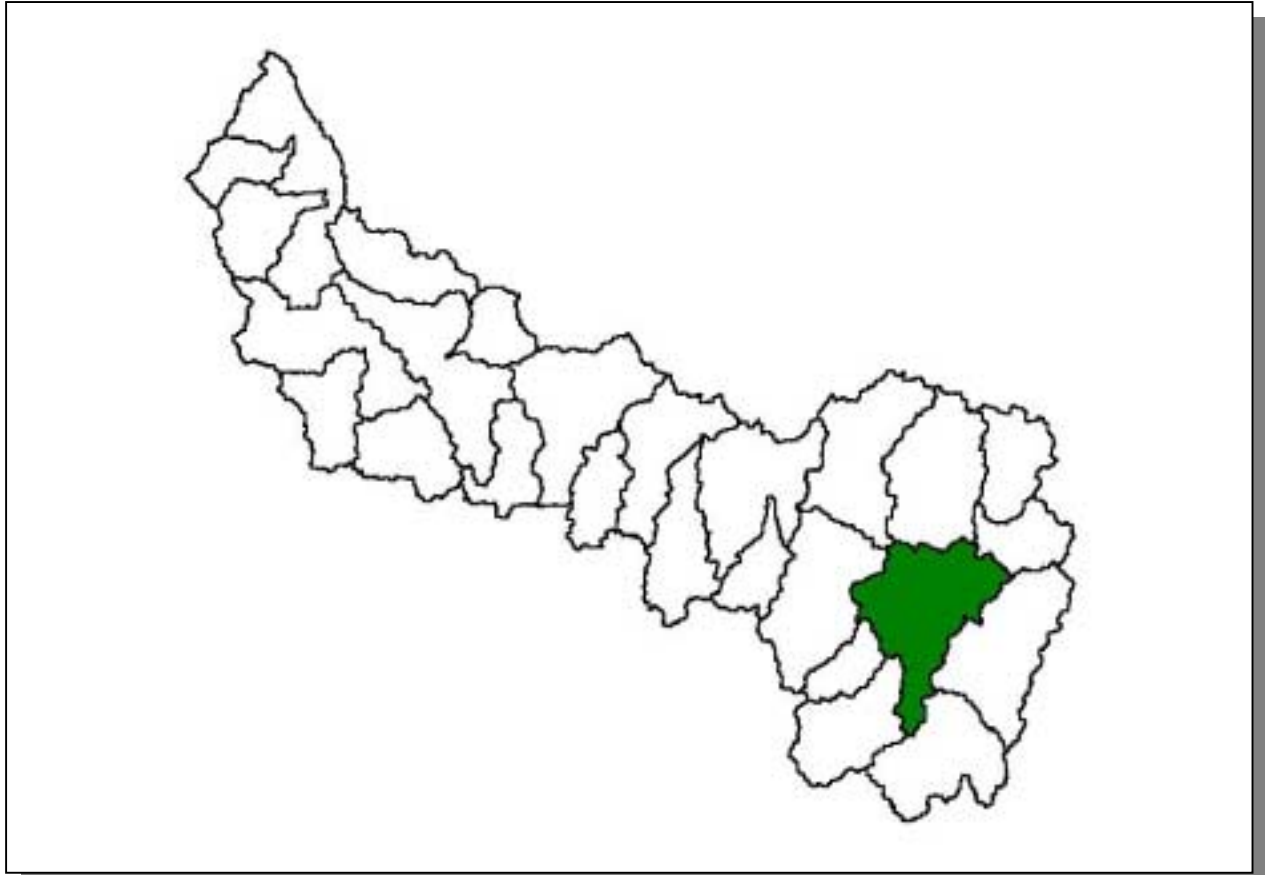
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Henderson	158.5	158.5	3.6	12.8
Madison	140.7	140.7	2.4	11.5
<b>Totals</b>	<b>398.6</b>	<b>398.6</b>	<b>6.3</b>	<b>25.6</b>

**Table 4-11. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205020.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	9.83
Soybeans (Row Crops)	6.46
Cotton (Row Crops)	17.01
Other Cropland not Planted	0.98
Grass (Pastureland)	0.41
Grass, Forbs, Legumes (Mixed Pasture)	0.51
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.12
Conservation Reserve Program Land	0.42
Grass (Hayland)	0.25
Legume Grass (Hayland)	0.19
Wheat (Close Grown Cropland)	9.69
Other Vegetable and Truck Crop	28.15
Sorghum (Row Crops)	3.62
Legume (Hayland)	0.12

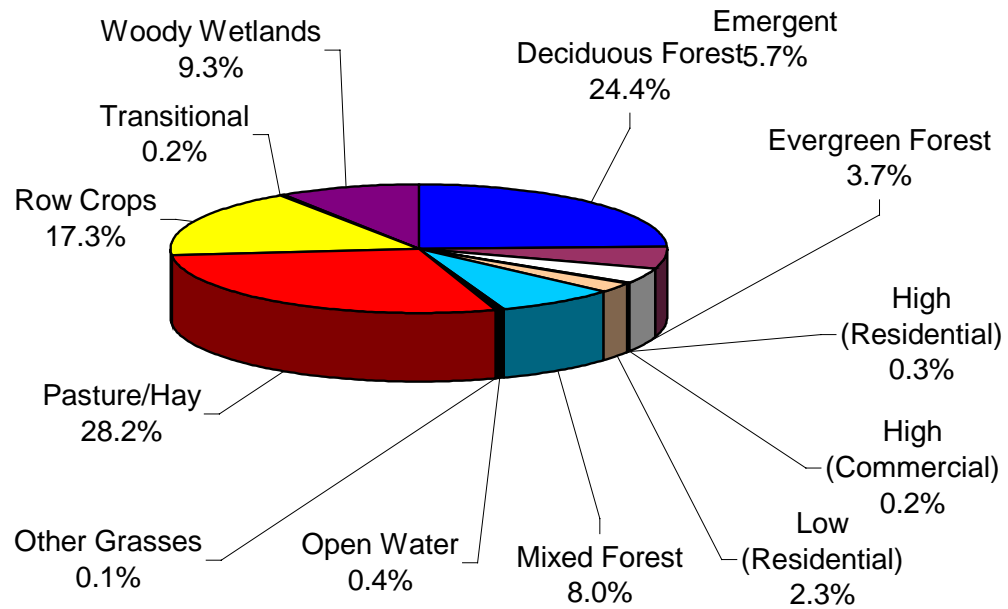
**Table 4-12. Annual Estimated Total Soil Loss in Subwatershed 08010205020.**

4.2.C. 08010205030.

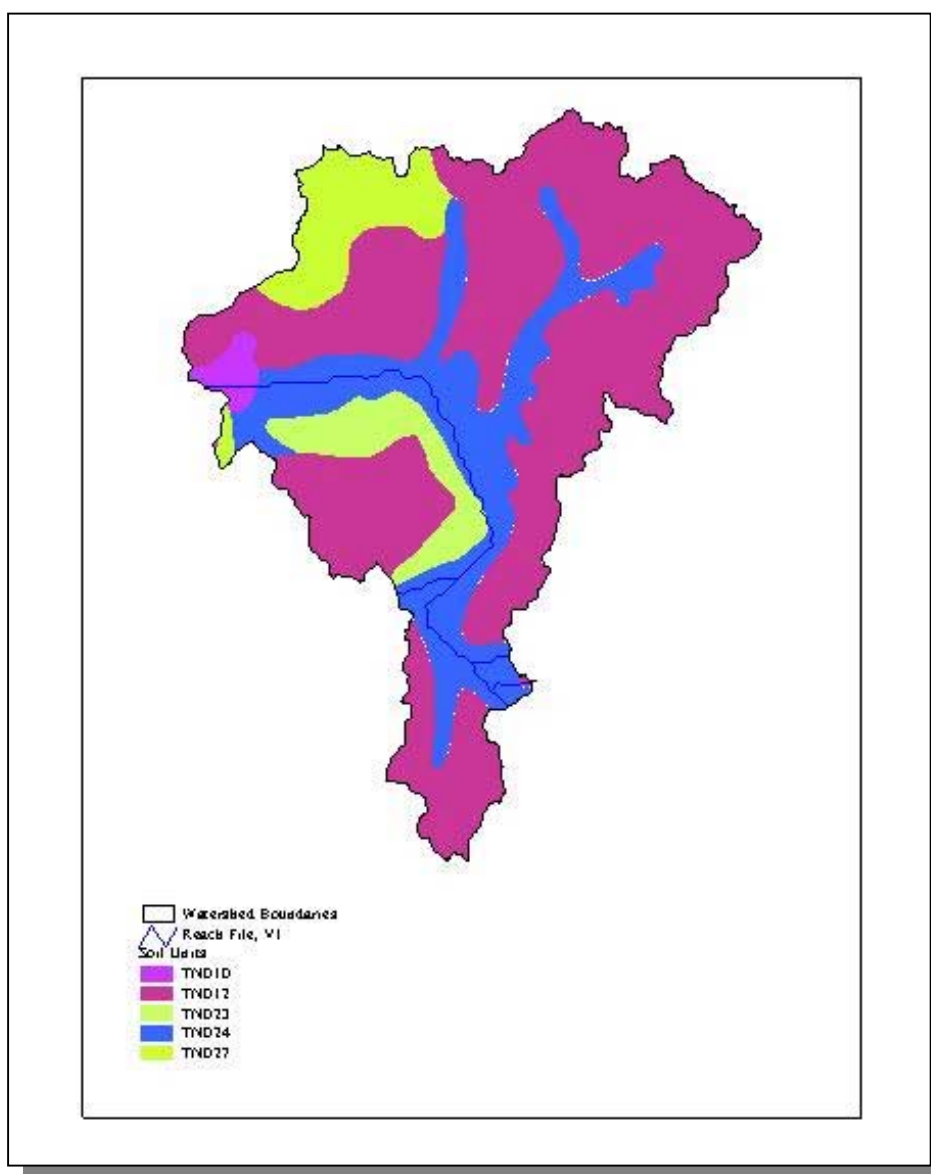


**Figure 4-11. Location of Subwatershed 08010205030.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.C.i. General Description.



**Figure 4-12. Land Use Distribution in Subwatershed 08010205030.** More information is provided in SFFD-Appendix IV.



**Figure 4-13. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205030.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.42
TN024	61.00	D	2.18	5.35	Loam	0.29
TN027	0.00	C	1.26	5.25	Silty Loam	0.41

**Table 4-13. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205030.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Chester	12,819	14,469	20.81	2,668	3,011	12.9
McNairy	22,422	23,678	0.09	20	21	5.0
Madison	77,982	84,942	1.06	823	897	9.0
<b>Totals</b>	<b>113,223</b>	<b>123,089</b>		<b>3,511</b>	<b>3,929</b>	<b>11.9</b>

*Table 4-14. Population Estimates in Subwatershed 08010205030.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Finger	McNairy	273	119	2	115	2
Henderson	Chester	4,760	1,600	1,476	124	0
<b>Totals</b>		<b>5,033</b>	<b>1,719</b>	<b>1,478</b>	<b>239</b>	<b>2</b>

*Table 4-15. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205030.*

**4.2.C.ii.** Point Source Contributions.



**Figure 4-14. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205030.** More information, including the names of facilities, is provided in SFFD-Appendix IV.

**4.2.C.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Chickens	Hogs	Sheep
30	2,666	<5	550	<5

**Table 4-16. Summary of Livestock Count Estimates in Subwatershed 08010205030.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	10.45
Soybeans (Row Crops)	6.35
Cotton (Row Crops)	18.96
Wheat (Close Grown Cropland)	9.89
Grass (Hayland)	0.36
Other Cropland not Planted	0.38
Grass (Pastureland)	0.35
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.12
Other Vegetable and Truck Crops	26.31
Grass, Forbs, Legumes (Mixed Pasture)	0.65
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Lands	0.44
Legume Grass (Hayland)	0.21
Forest Land (Grazed)	0.00
Sorghum (Row Crops)	3.62
Legume (Hayland)	0.12

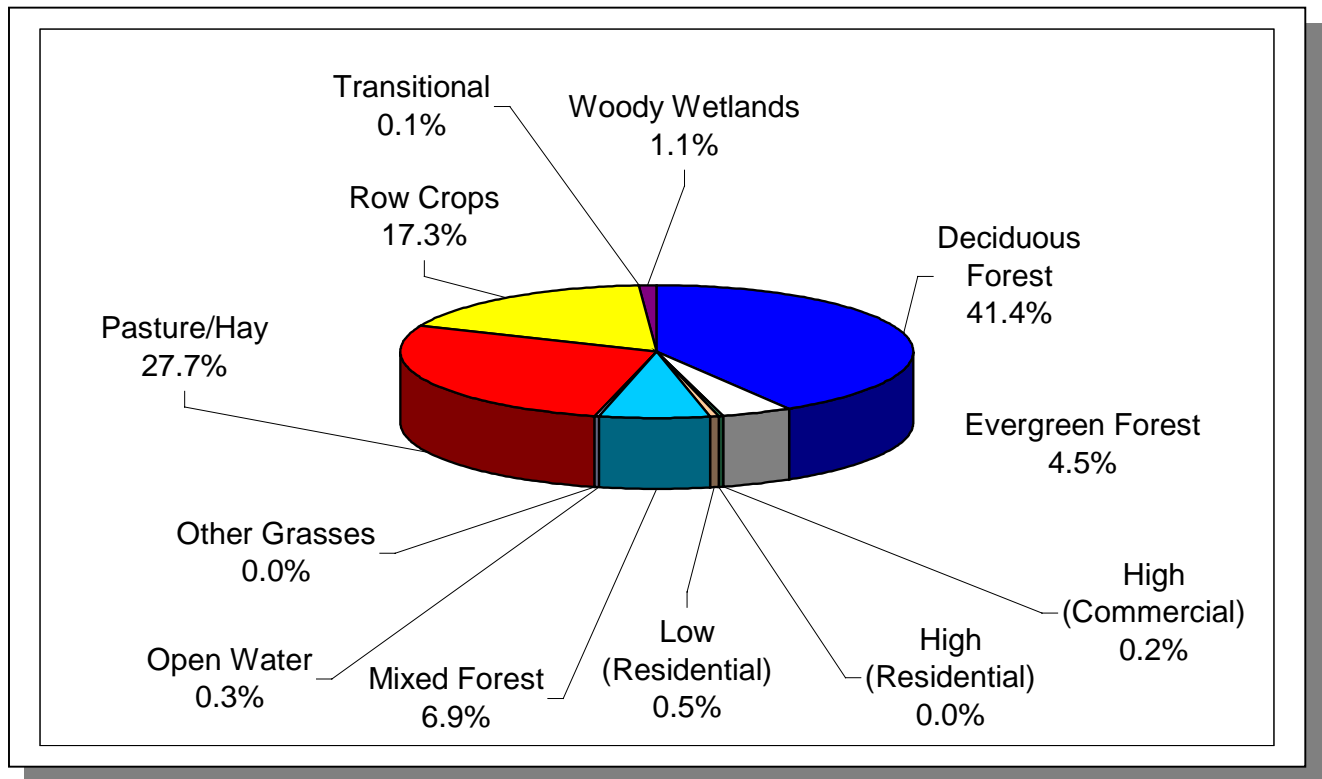
**Table 4-17. Annual Estimated Total Soil Loss in Subwatershed 08010205030.**

4.2.D. 08010205040.

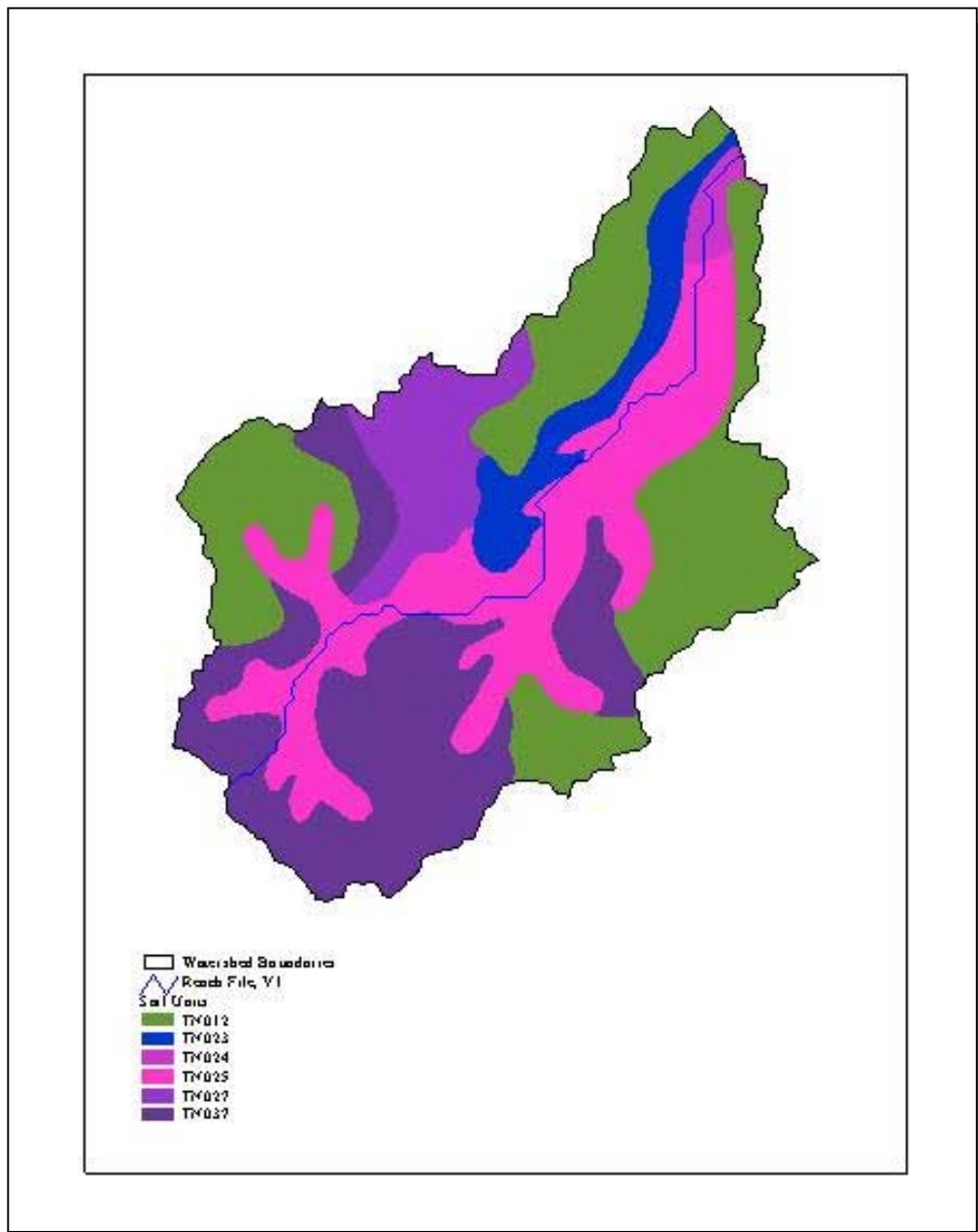


**Figure 4-15. Location of Subwatershed 08010205040.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.



**Figure 4-16. Land Use Distribution in Subwatershed 08010205040.** More information is provided in SFFD-Appendix IV.



**Figure 4-17. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205040.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.42
TN024	61.00	D	2.18	5.35	Loam	0.29
TN025	53.00	C	2.00	5.52	Loam	0.25
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-18. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205040.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County			Portion of Watershed (%)			
Chester	12,819	14,469	13.52	1,734	1,957	12.9
McNairy	22,422	23,678	0.19	43	46	7.0
<b>Totals</b>	<b>35,241</b>	<b>38,147</b>		<b>1,777</b>	<b>2,003</b>	<b>12.7</b>

*Table 4-19. Population Estimates in Subwatershed 08010205040.*

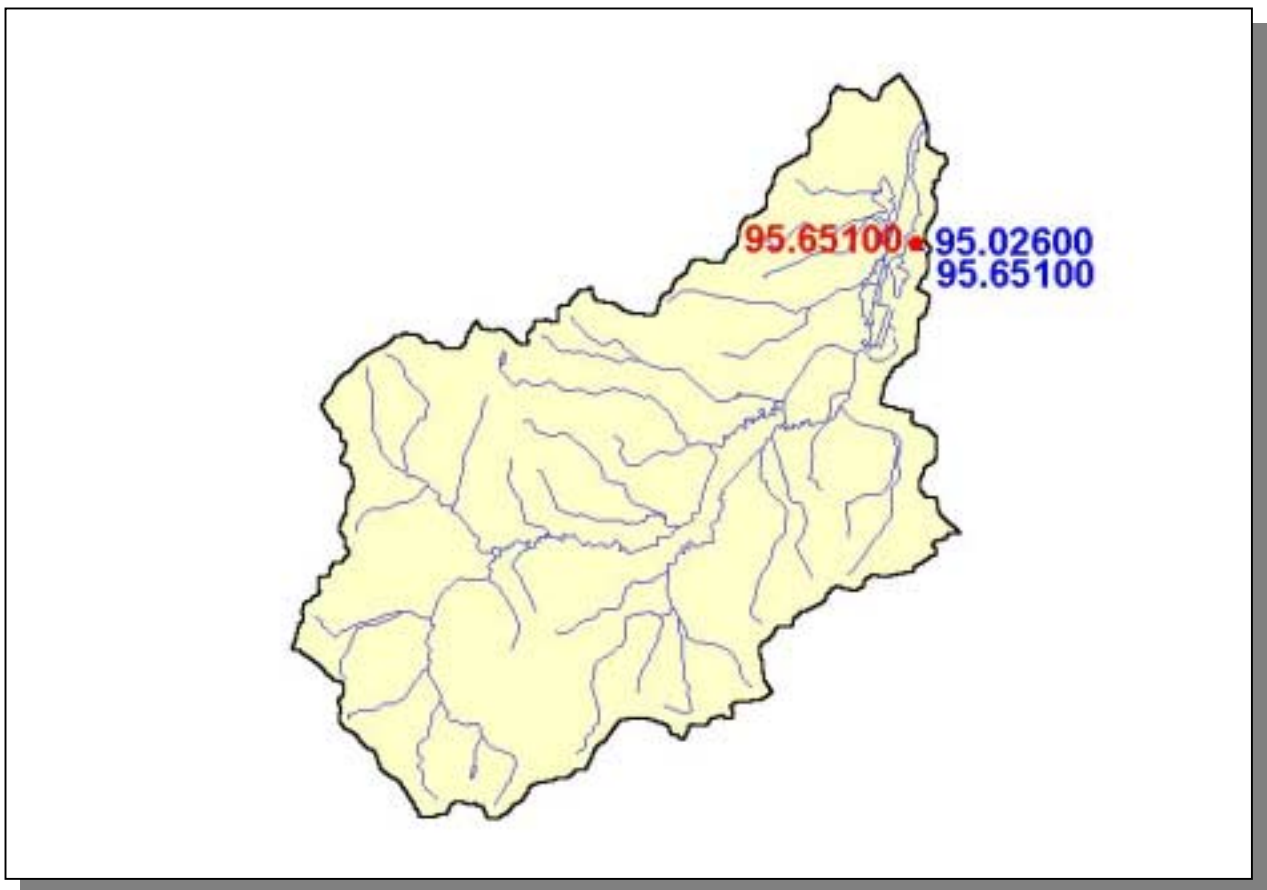
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Finger	McNairy	273	119	2	115	2
Henderson	Chester	4,760	1,600	1,476	124	0
<b>Totals</b>		<b>5,033</b>	<b>1,719</b>	<b>1,478</b>	<b>239</b>	<b>2</b>

*Table 4-20. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205040.*

**4.2.D.ii.** Point Source Contributions.



**Figure 4-18. Location of Active Mining Sites in Subwatershed 08010205040.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-19. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010205040.** Impact (Blue Triangle) and mitigation (Red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

**4.2.D.iii. Nonpoint Source Contributions.**

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Chickens	Hogs	Sheep
52	1,650	<5	331	<5

**Table 4-21. Summary of Livestock Count Estimates in Subwatershed 08010205040.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

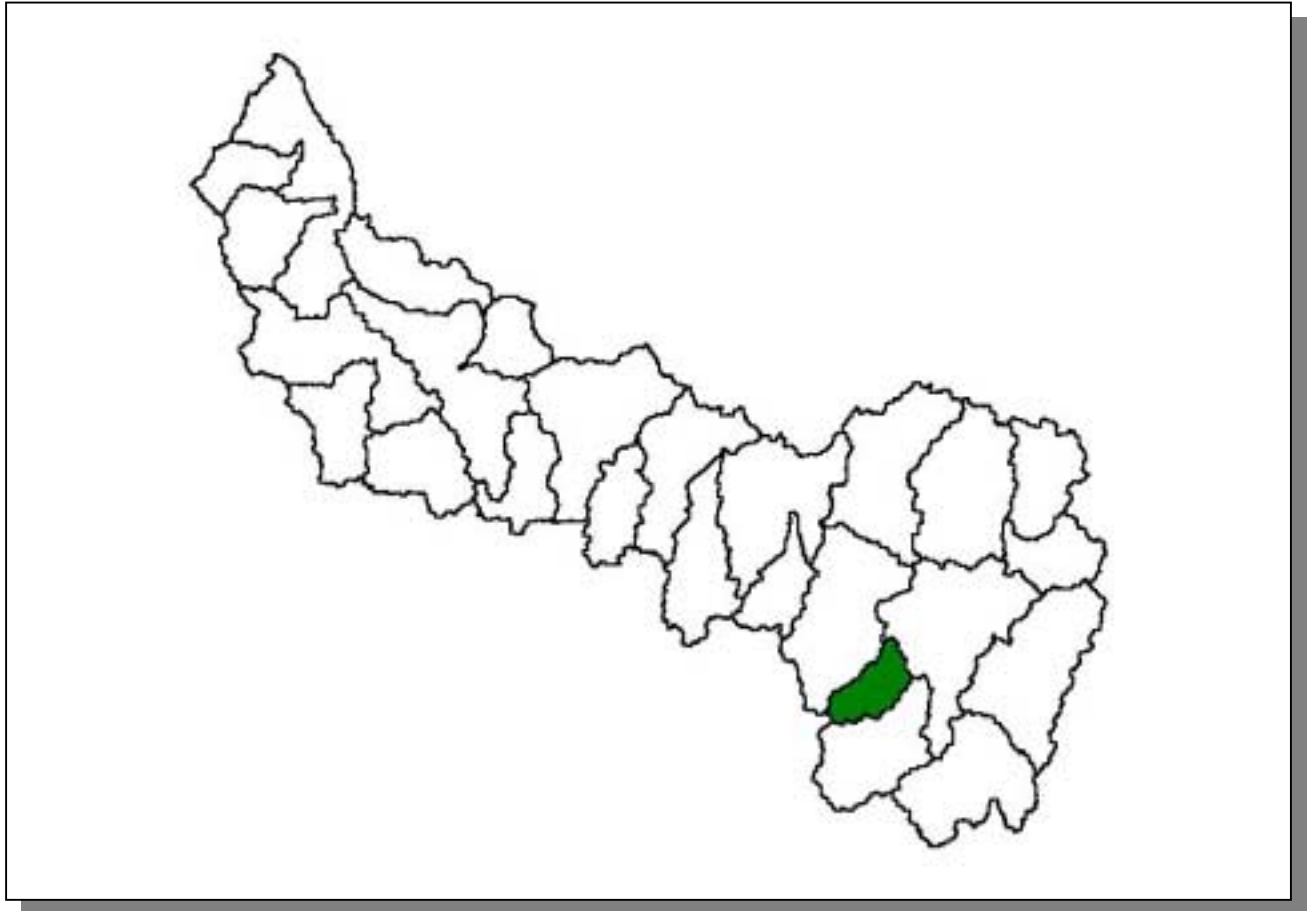
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Madison	140.7	140.7	2.4	11.5
<b>Totals</b>	<b>240.1</b>	<b>240.1</b>	<b>2.7</b>	<b>12.8</b>

**Table 4-22. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205040.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	10.04
Soybeans (Row Crops)	6.20
Cotton (Row Crops)	19.29
Legume Grass (Hayland)	0.20
Grass (Pastureland)	0.35
Grass, Forbs, Legumes (Mixed Pasture)	0.39
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.09
Conservation Reserve Program Lands	0.44
Wheat (Close Grown Cropland)	10.36
Grass (Hayland)	0.29
Other Cropland not Planted	0.24
Other Vegetable and Truck Crops	28.15
Sorghum (Row Crops)	3.62
Legume (Hayland)	0.12

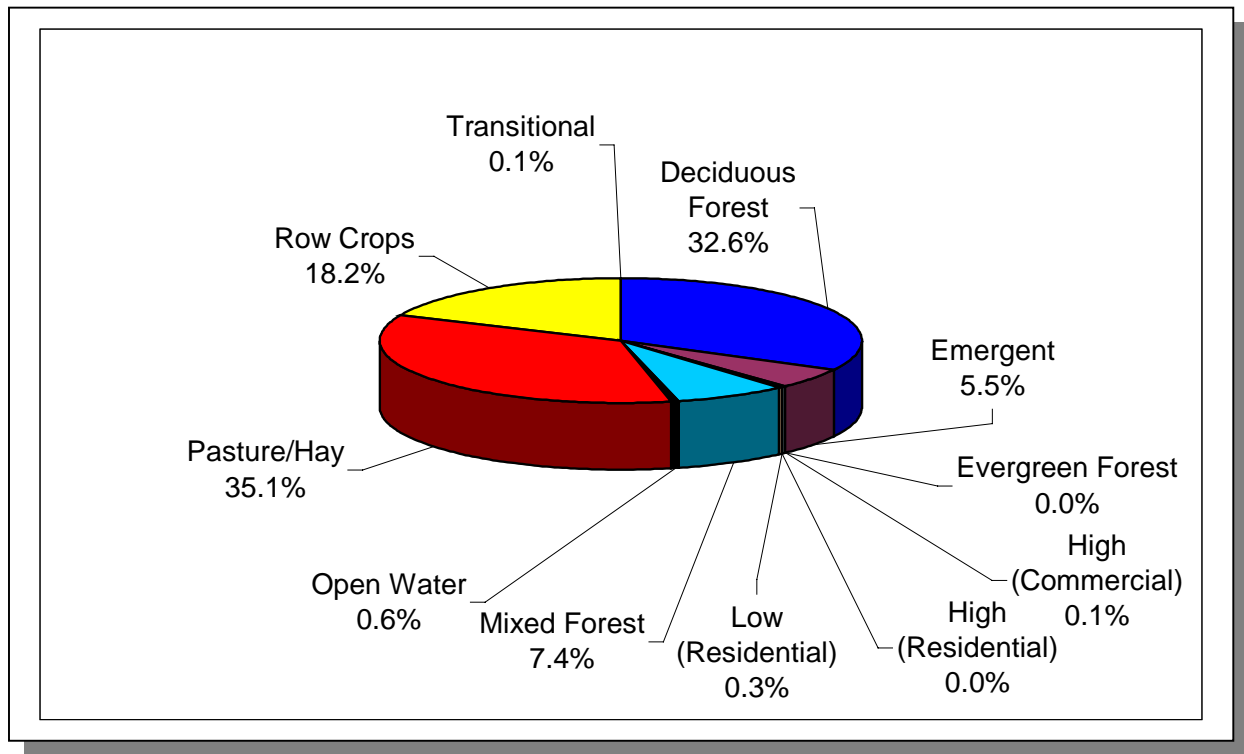
**Table 4-23. Annual Soil Loss in Subwatershed 08010205040.**

4.2.E. 08010208050.

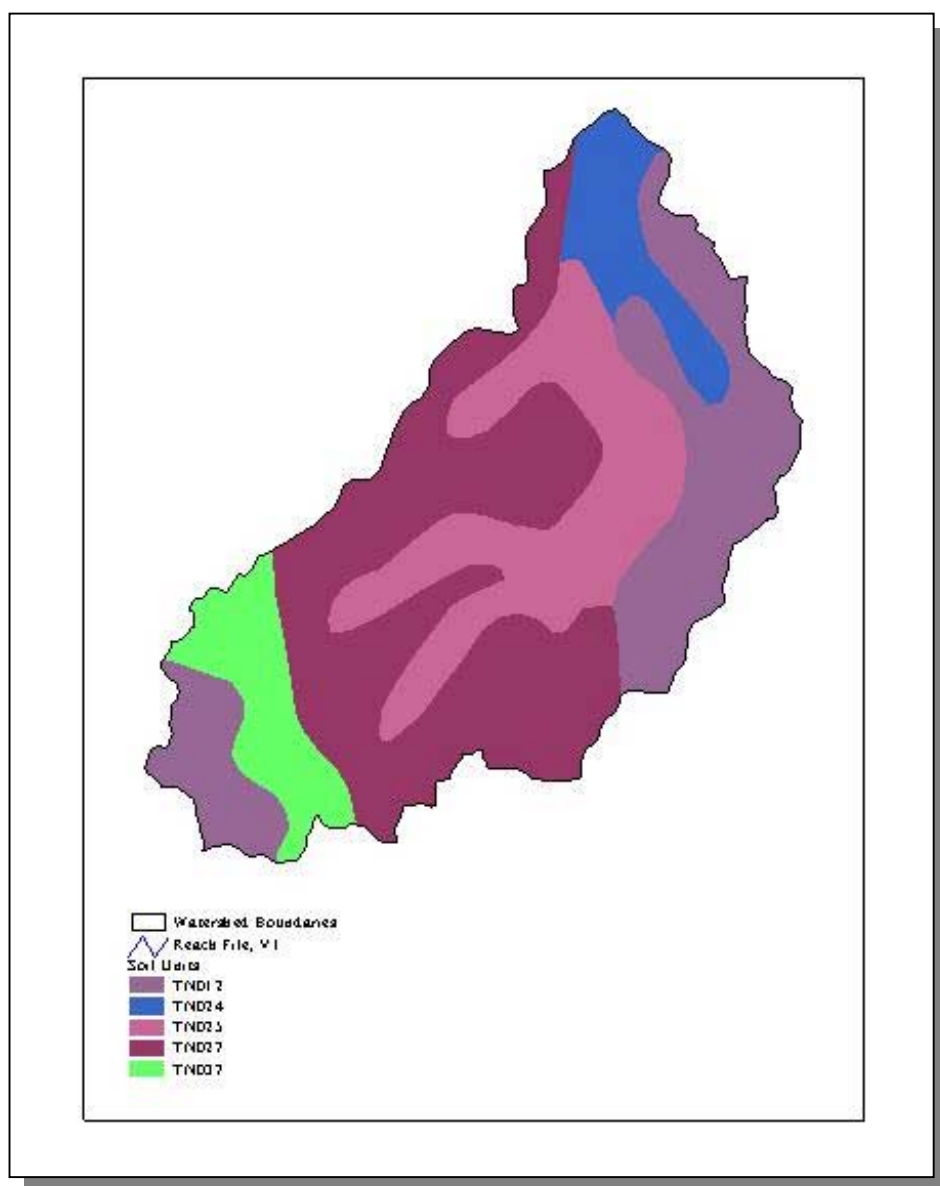


**Figure 4-20. Location of Subwatershed 08010205050.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.E.i. General Description.



**Figure 4-21. Land Use Distribution in Subwatershed 08010205050.** More information is provided in SFFD-Appendix IV.



**Figure 4-22. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205050.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATE SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29
TN025	53.00	C	2.00	5.52	Loam	0.25
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-24. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205050.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Chester	12,819	14,469	5.65	724	817	12.8

**Table 4-25. Population estimates in Subwatershed 08010205050.**

				Number of Housing Units		
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Henderson	Chester	4,760	1,600	1,476	124	0

**Table 4-26. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205050.**

**4.2.E.ii.** Point Source Contributions.

No Contribution

**4.2.E.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
832	<5	122

**Table 4-27. Summary of Livestock Count Estimates in Subwatershed 08010205050.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

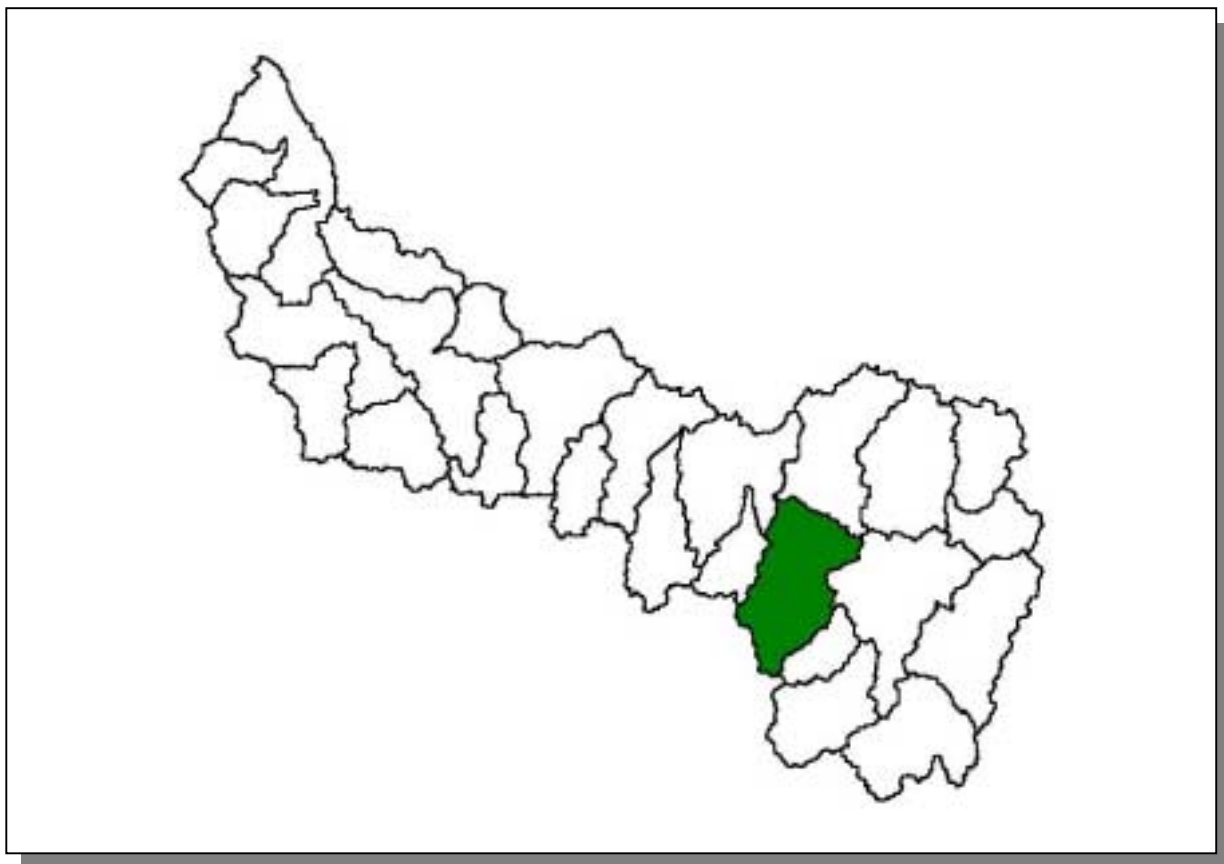
	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3

**Table 4-28. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 08010205050.**

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	10.01
Soybeans (Row Crops)	6.10
Cotton (Row Crops)	19.67
Legume Grass (Hayland)	0.21
Grass (Pastureland)	0.34
Grass, Forbs, Legumes (Mixed Pasture)	0.39
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.09
Conservation Reserve Program Lands	0.44
Wheat (Close Grown Cropland)	10.59
Grass (Hayland)	0.30
Other Cropland not Planted	0.18
Other Vegetable and Truck Crops	28.15

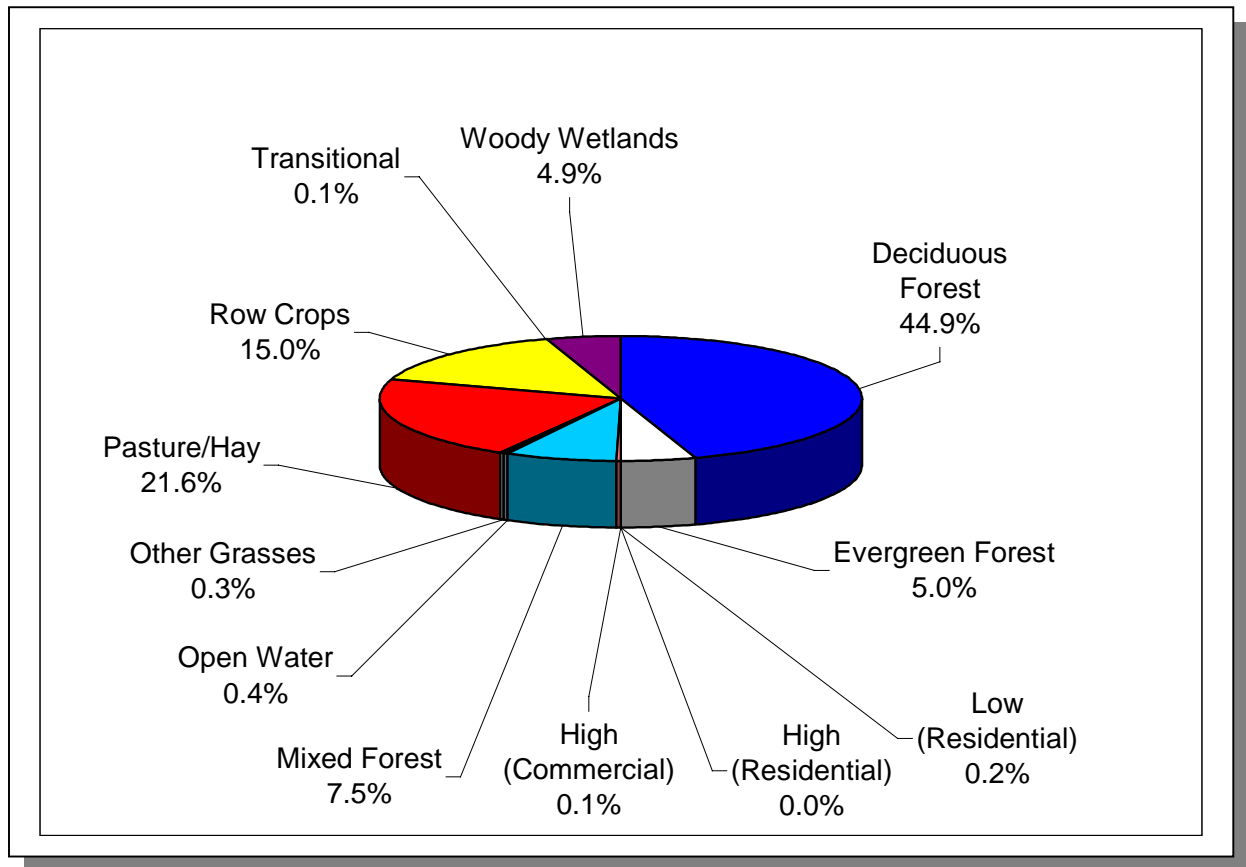
**Table 4-29. Annual Estimated Soil Loss in Subwatershed 08010205050.**

#### **4.2.F. 08010205060**

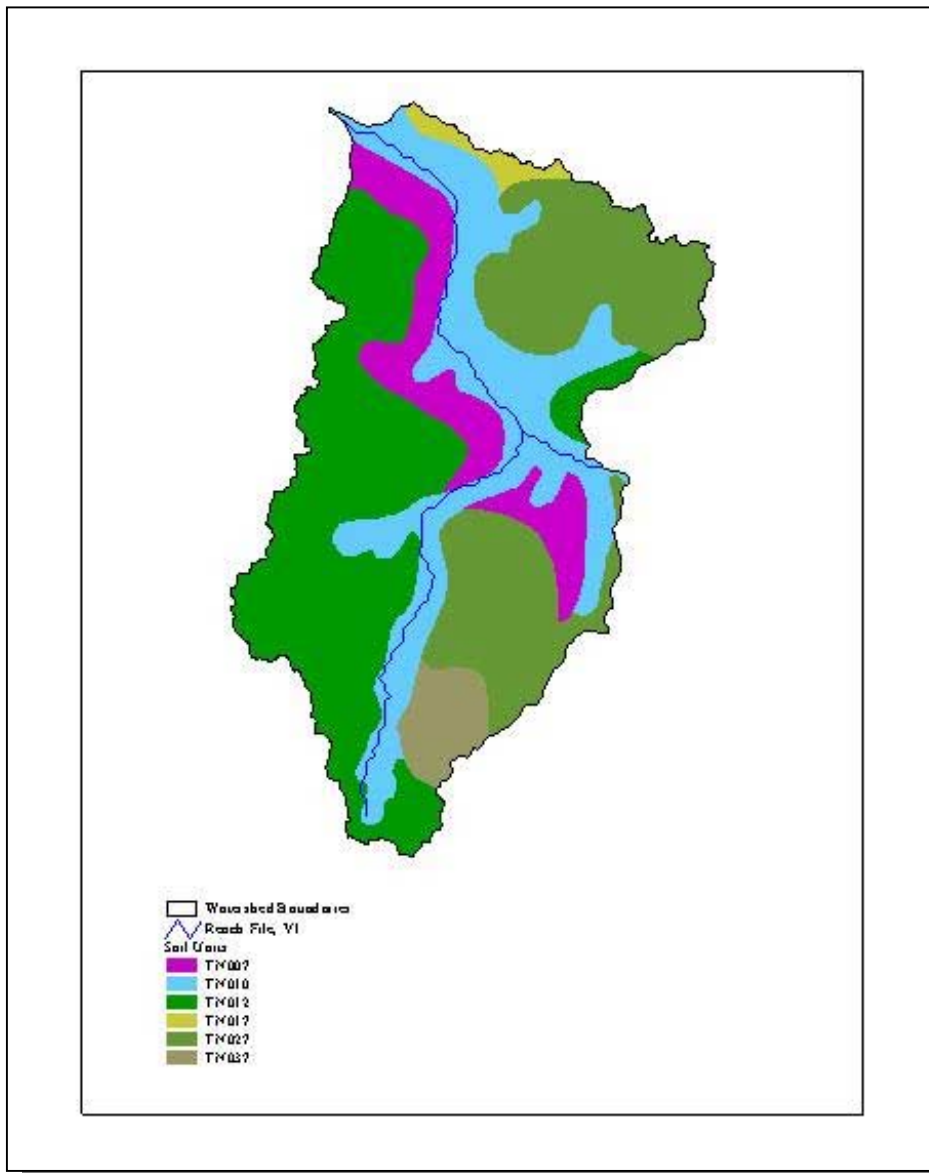


**Figure 4-23. Location of Subwatershed 08010205060.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.F.i. General Description.**



**Figure 4-24. Land Use Distribution in Subwatershed 08010205060.** More information is provided in SFFD-Appendix IV.



**Figure 4-25. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205060.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATE SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.30	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-30. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205060.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Chester	12,819	14,469	4.88	625	706	13.0
Madison	77,982	84,942	7.9	6,159	6,709	8.9
<b>Totals</b>	<b>90,801</b>	<b>99,411</b>		<b>6,784</b>	<b>7,415</b>	<b>9.3</b>

*Table 4-31. Population Estimates in Subwatershed 08010205060.*

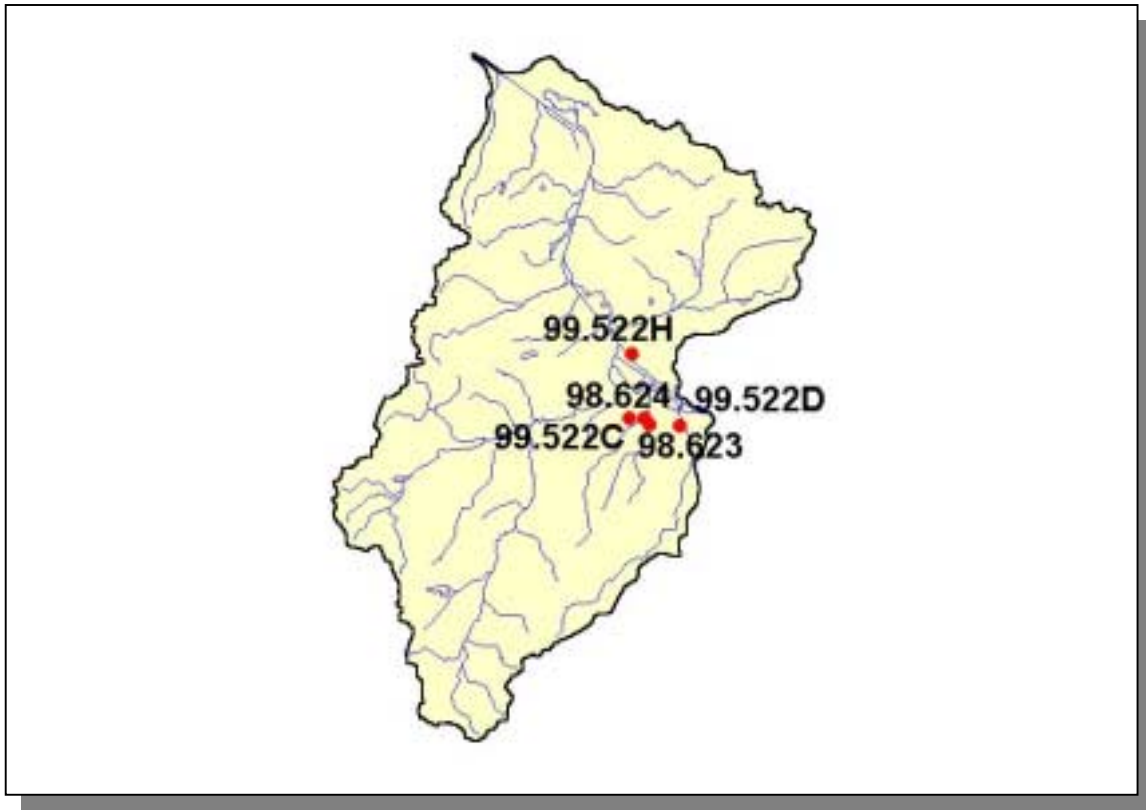


*Figure 4-26. Location of STORET Stations in Subwatershed 08010205060. More information is provided in SFFD-Appendix IV.*

**4.2.F.ii.** Point Source Contributions.



**Figure 4-27. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205060.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-28. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205060.**  
More information is provided in SFFD-Appendix IV.

**4.2.F.iii. Nonpoint Source Contributions.**

LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
1,382	<5	931

**Table 4-32. Summary of Livestock Count Estimates in Subwatershed 08010205060.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	13.66
Soybeans (Row Crops)	8.04
Cotton (Row Crops)	14.57
Wheat (Close Grown Cropland)	5.22
Grass (Hayland)	0.79
Other Cropland not Planted	1.74
Grass (Pastureland)	0.40
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.37
Other Vegetable and Truck Crops	12.68
Grass, Forbs, Legumes (Mixed Pasture)	2.64
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Lands	0.46
Legume Grass (Hayland)	0.21
Forest Land (Grazed)	0.00

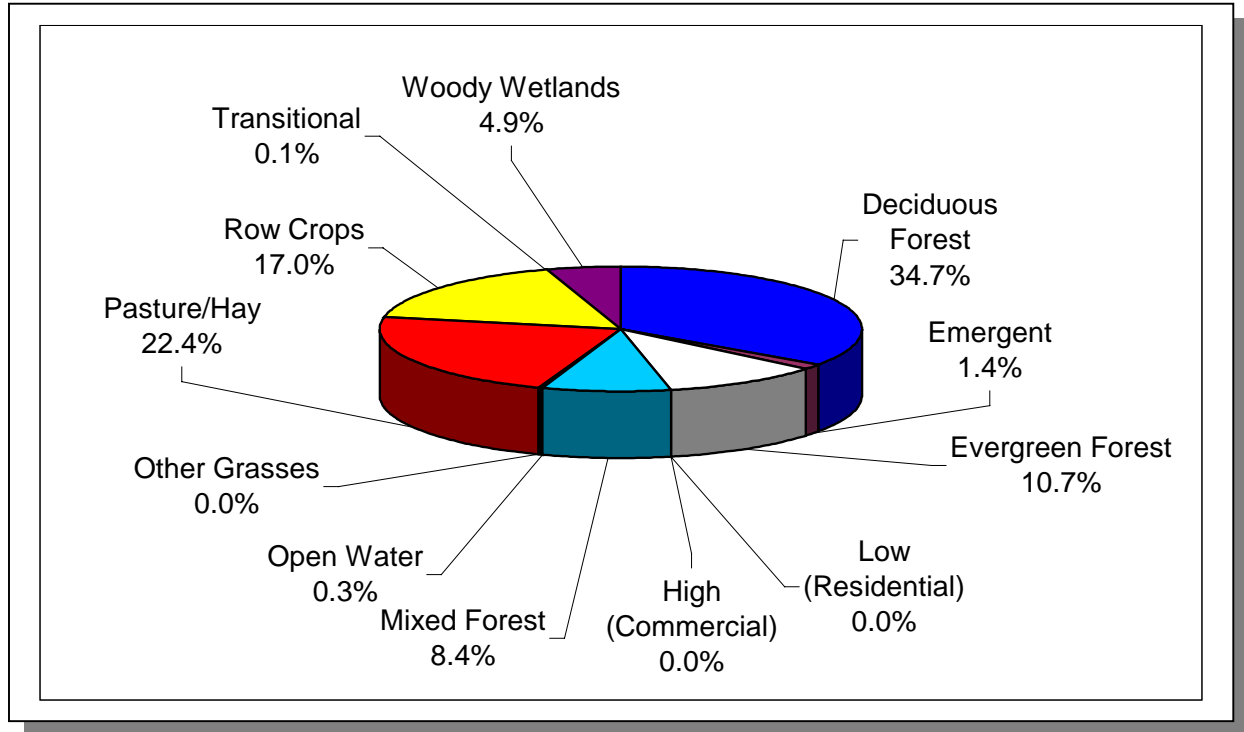
**Table 4-33. Annual Estimated Total Soil Loss in Subwatershed 08010205060.**

**4.2.G. 08010205070.**

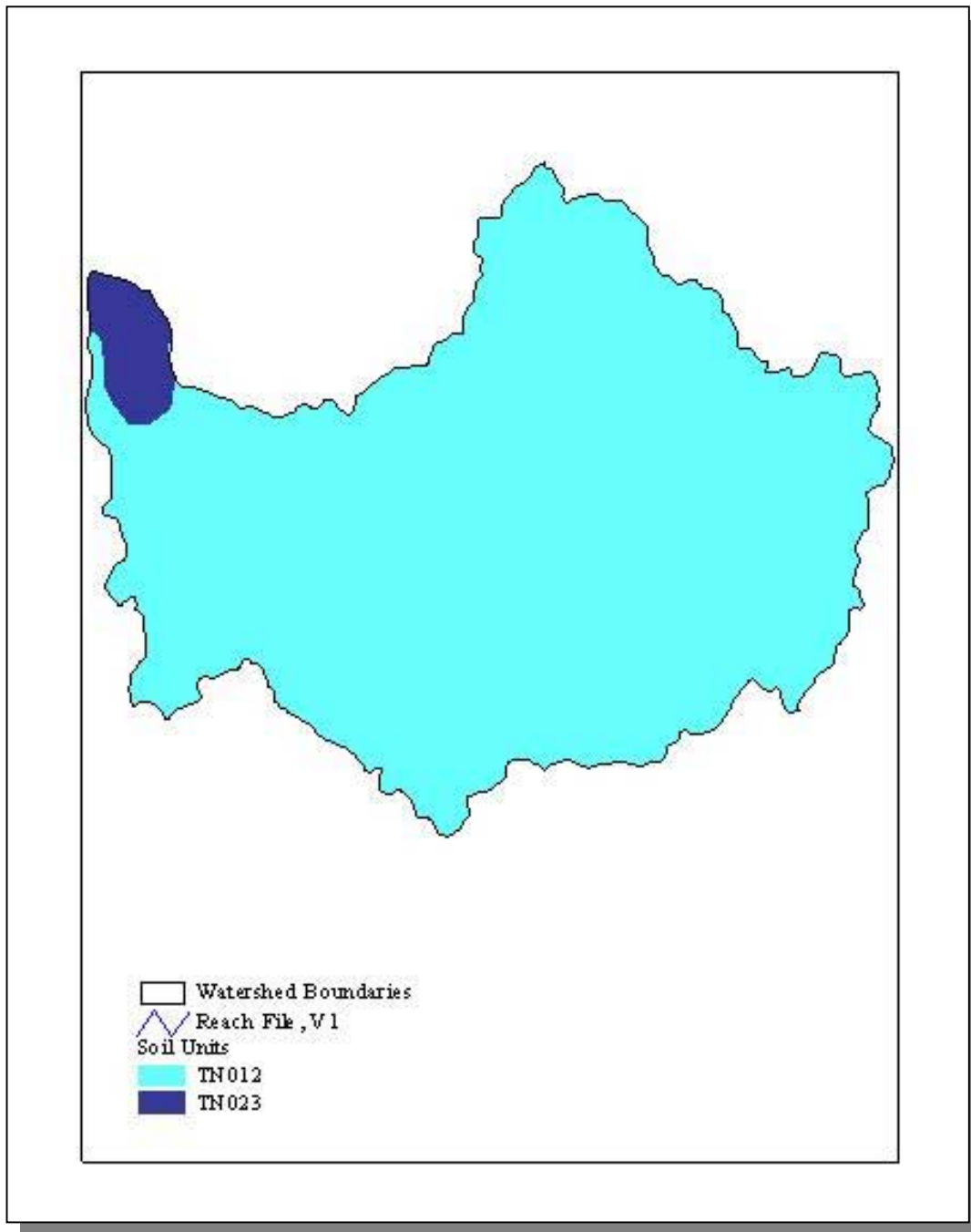


**Figure 4-29. Location of Subwatershed 08010205070.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.G.i. General Description.



**Figure 4-30. Land Use Distribution in Subwatershed 08010205070.** More information is provided in SFFD-Appendix IV.



**Figure 4-31. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010208070.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.42

**Table 4-34. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205070.** More information is provided in SFFD-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Chester	12,819	14,469	1.15	147	166	12.9
Henderson	21,844	24,000	3.7	809	889	9.9
<b>Totals</b>	<b>34,663</b>	<b>38,469</b>		<b>956</b>	<b>1,055</b>	<b>10.4</b>

**Table 4-35. Population Estimates in Subwatershed 08010205070.**

**4.2.G.ii.** Point Source Contributions.

No Contributions.

**4.2.G.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Chickens	Hogs	Milk Cow	Sheep
699	1782	<5	605	<5	10

**Table 4-36. Summary of Livestock Count Estimates in Subwatershed 08010205070.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

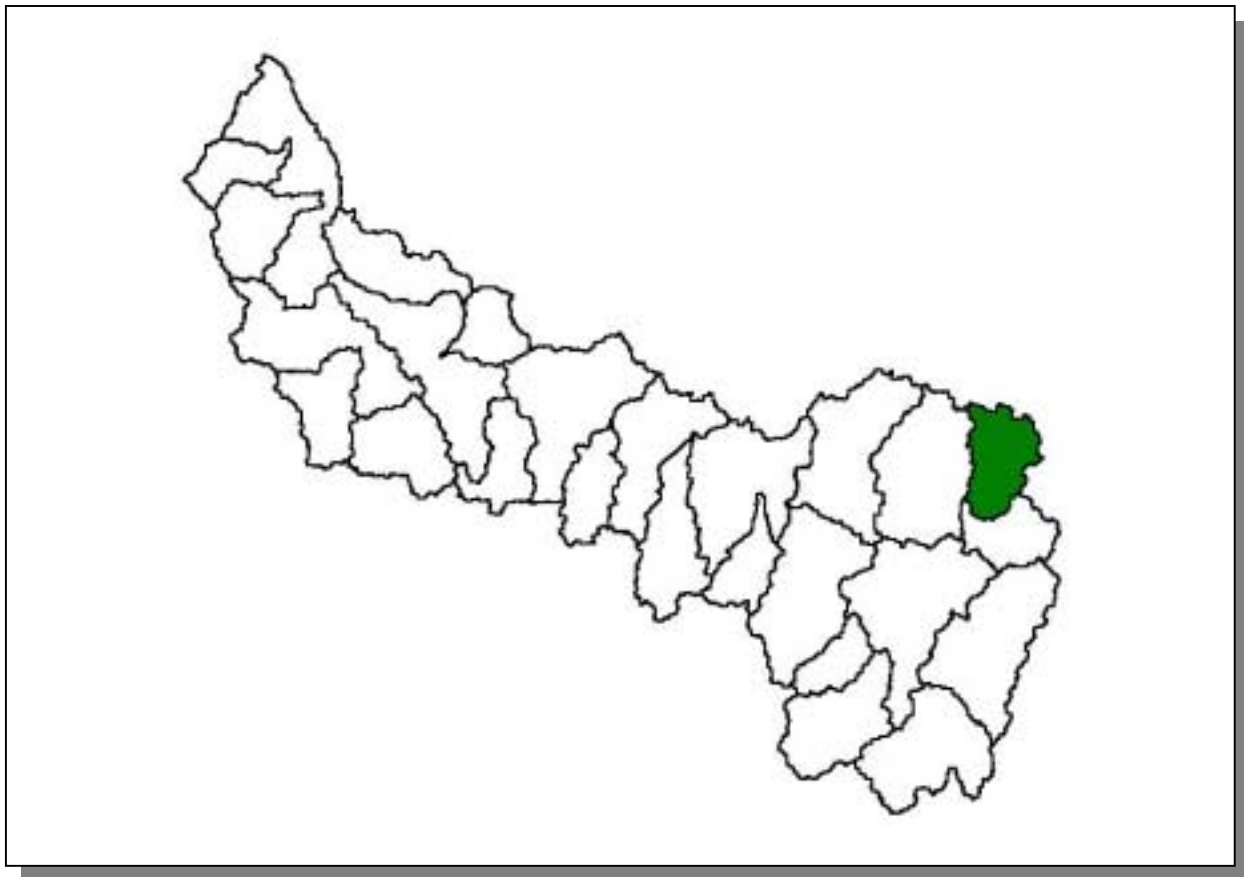
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Henderson	158.5	158.5	3.6	12.8
<b>Totals</b>	<b>257.9</b>	<b>257.9</b>	<b>3.9</b>	<b>14.1</b>

**Table 4-37. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 08010205070.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	7.44
Soybeans (Row Crops)	6.23
Cotton (Row Crops)	7.35
Other Cropland not Planted	5.78
Grass (Pastureland)	0.79
Grass, Forbs, Legumes (Mixed Pasture)	1.35
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.42
Conservation Reserve Program Land	0.36
Grass (Hayland)	0.08
Legume Grass (Hayland)	0.21
Wheat (Close Grown Cropland)	10.59
Other Vegetable and Truck Crops	28.15

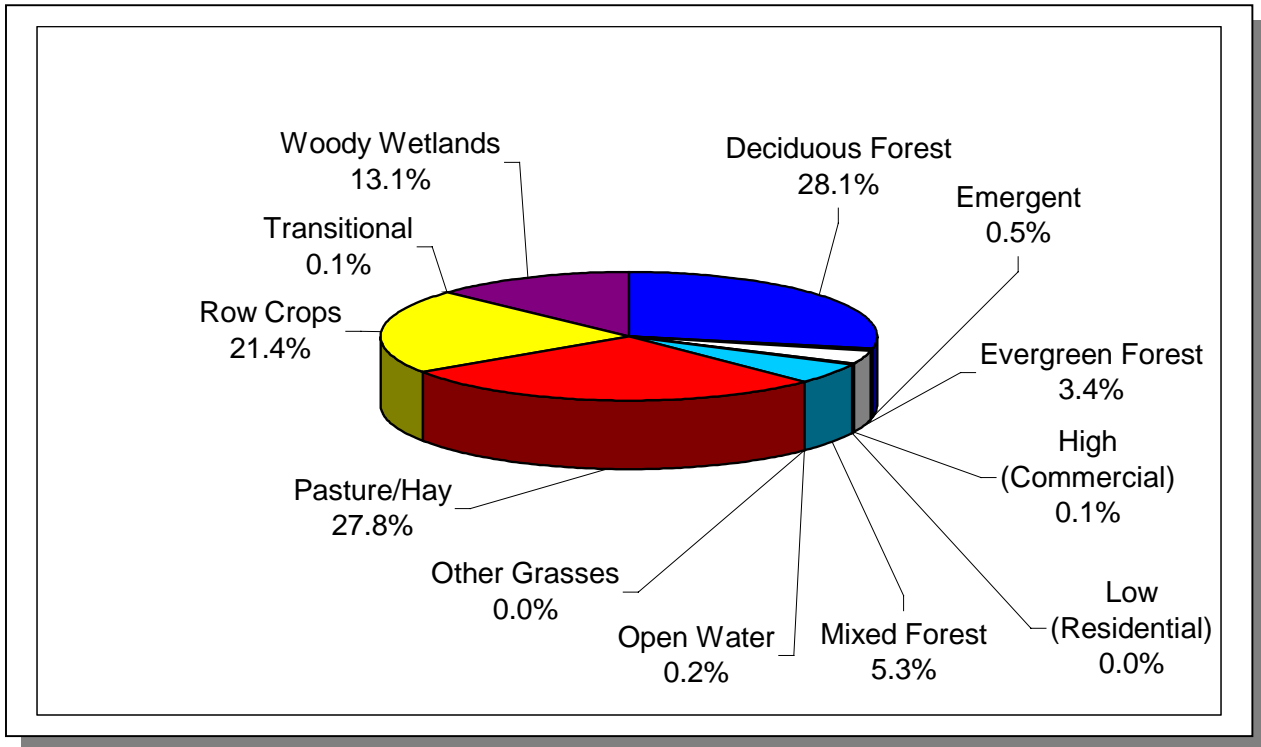
**Table 4-38. Annual Estimated Total Soil Loss in Subwatershed 08010205070.**

**4.2.G. 08010205070.**

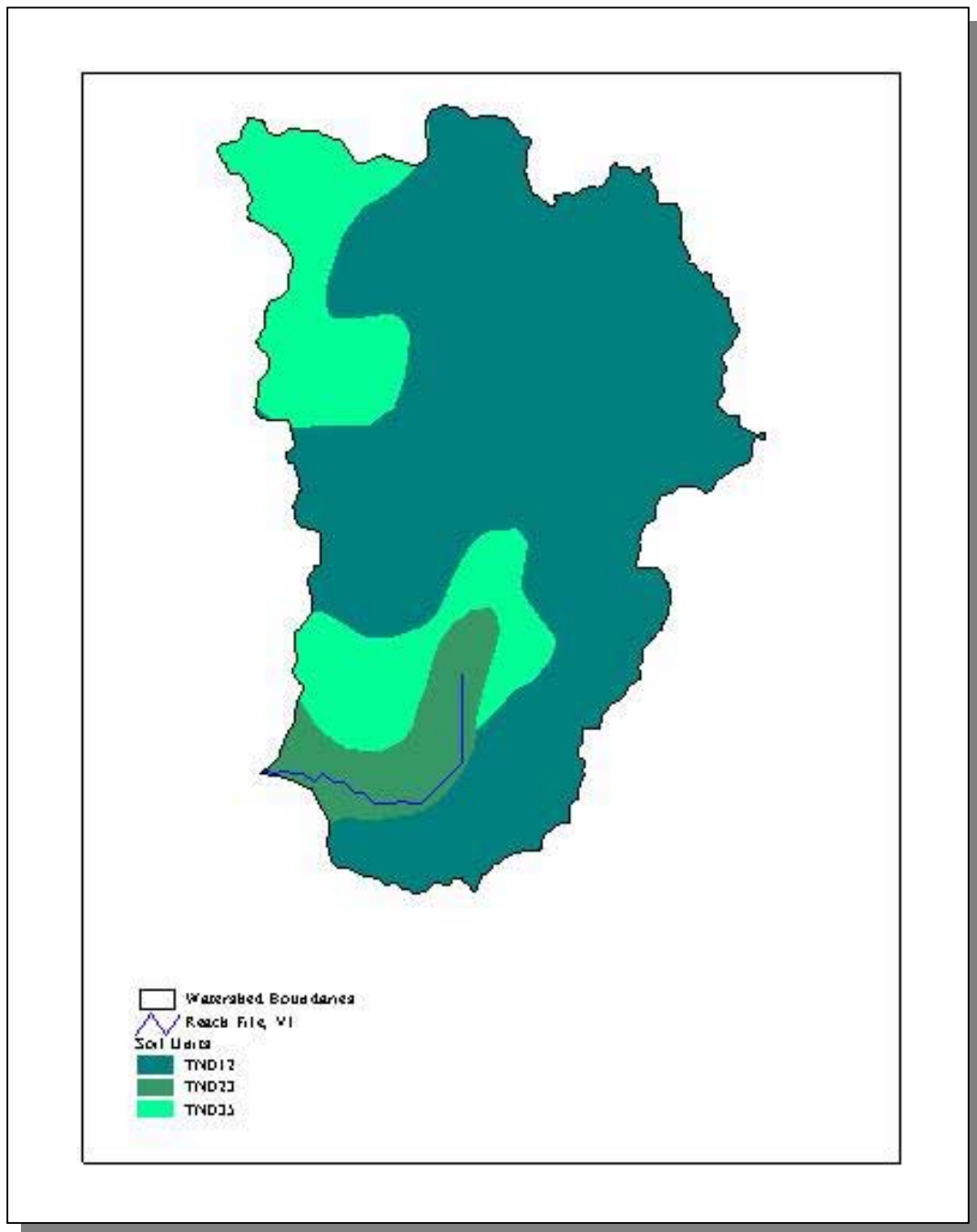


**Figure 4-32. Location of Subwatershed 08010205080.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.H.i. General Description.



**Figure 4-33. Land Use Distribution in Subwatershed 06010208080.** More information is provided in SFFD-Appendix IV.



**Figure 4-34. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205080.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.42
TN035	16.00	C	1.46	4.97	Silty Loam	0.40

**Table 4-39. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205080.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Henderson	21,844	24,000	5.49	1,199	1,317	9.8

**Table 4-40. Population Estimates in Subwatershed 08010205080.**

**4.2.H.ii.** Point Source Contributions.

No Contribution.

**4.2.H.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Hogs	Chickens	Sheep
1,484	3,378	8	1,225	<5	21

**Table 4-41. Summary of Livestock Count Estimates in Subwatershed 08010205080.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

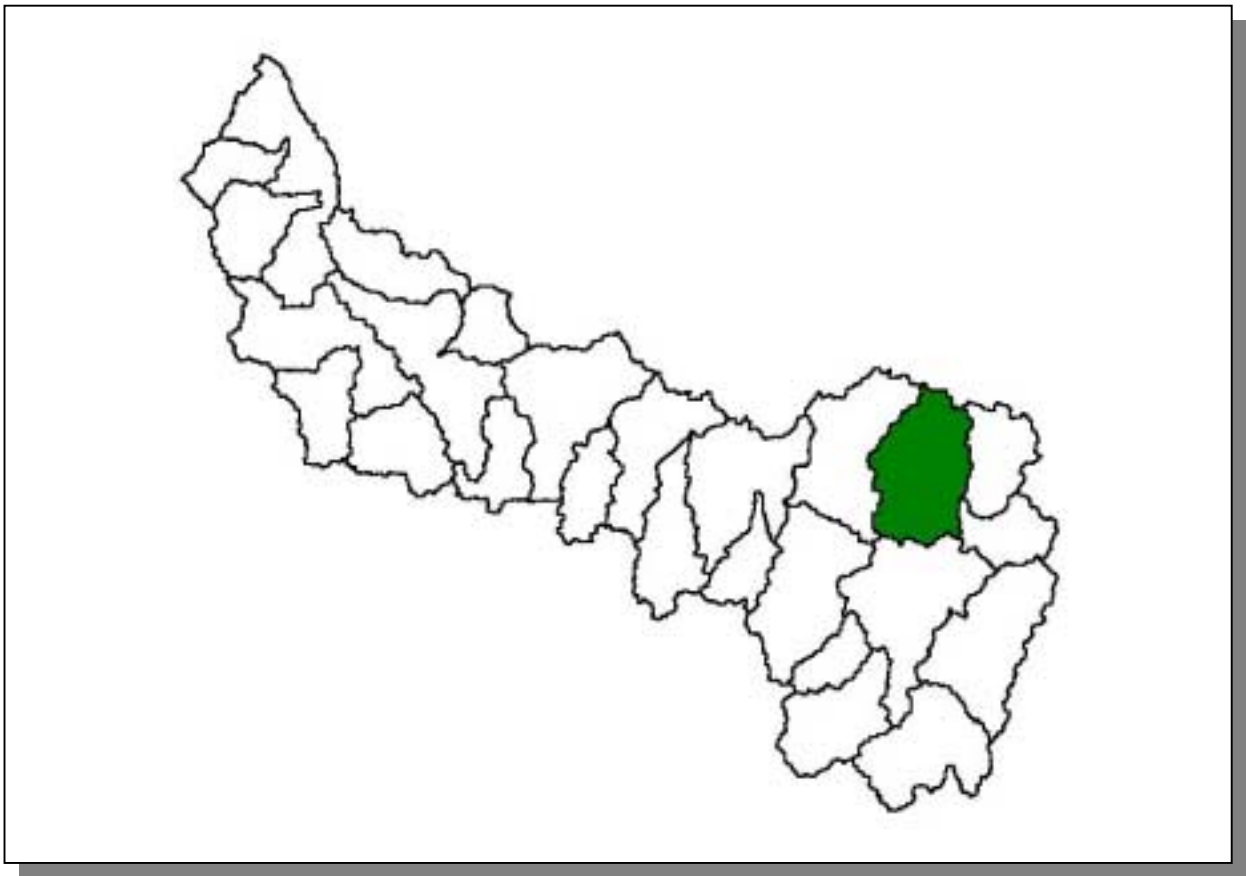
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Henderson	158.5	158.5	3.6	12.8

**Table 4-42. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205080.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	7.00
Soybeans (Row Crops)	6.25
Cotton (Row Crops)	5.27
Other Cropland not Planted	6.72
Grass (Pastureland)	0.86
Grass, Forbs, Legumes (Mixed Pasture)	1.51
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.47
Conservation Reserve Program Land	0.35
Grass (Hayland)	0.04

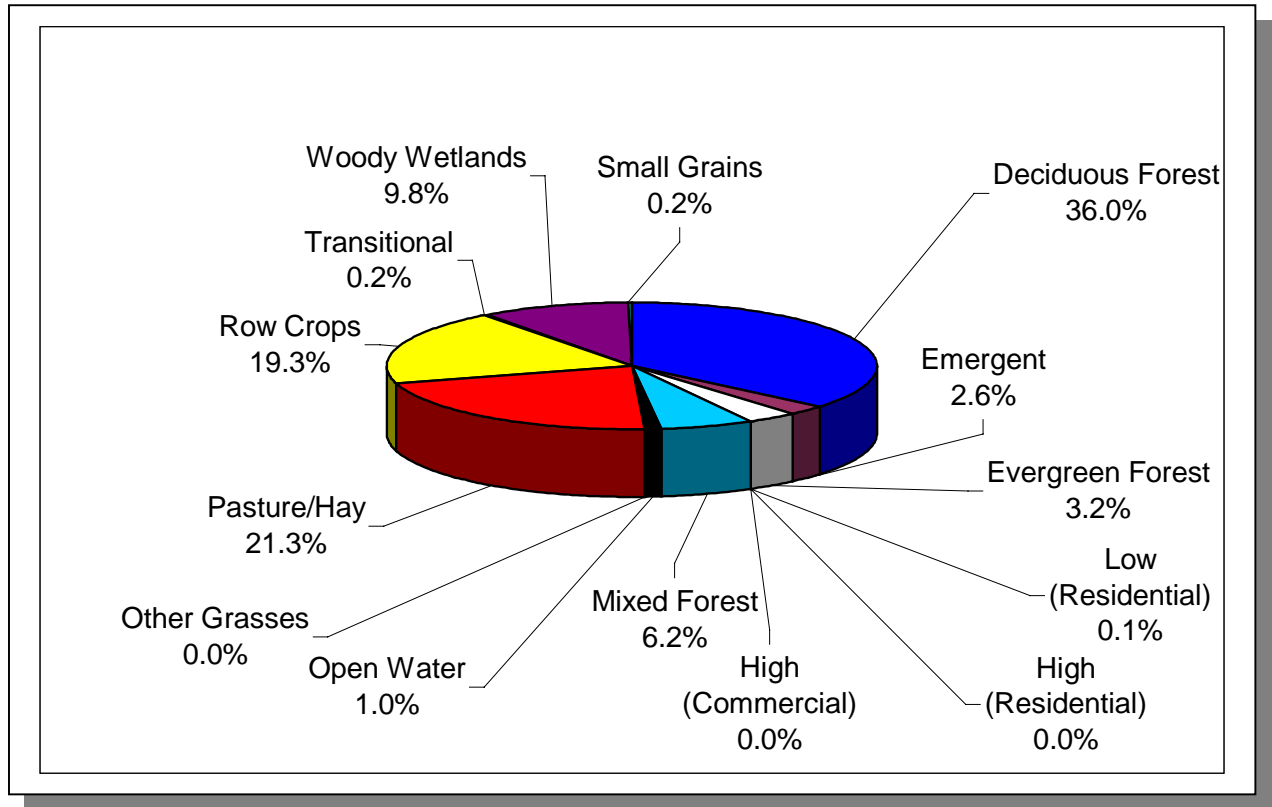
**Table 4-43. Annual Estimated Total Soil Loss in Subwatershed 08010205080.**

**4.2.I. 08010205090.**

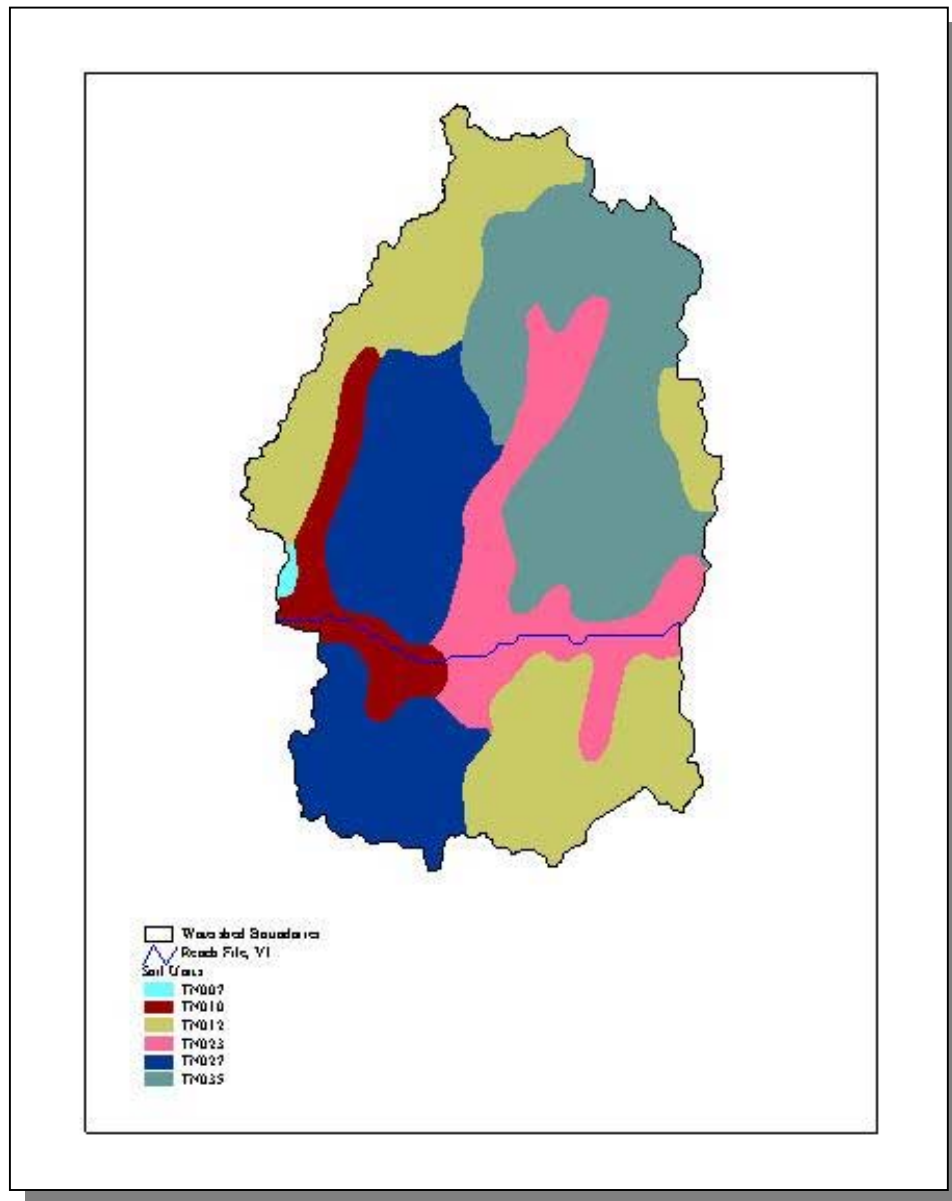


**Figure 4-35. Location of Subwatershed 08010205090.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.1.i. General Description.



**Figure 4-36. Land Use Distribution in Subwatershed 08010205090.** More information is provided in SFFD-Appendix IV.



**Figure 4-37. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205090.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.30	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.40
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN035	16.00	C	1.46	4.97	Silty Loam	0.40

**Table 4-44. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205090.** More information is provided in SFFD-Appendix IV.

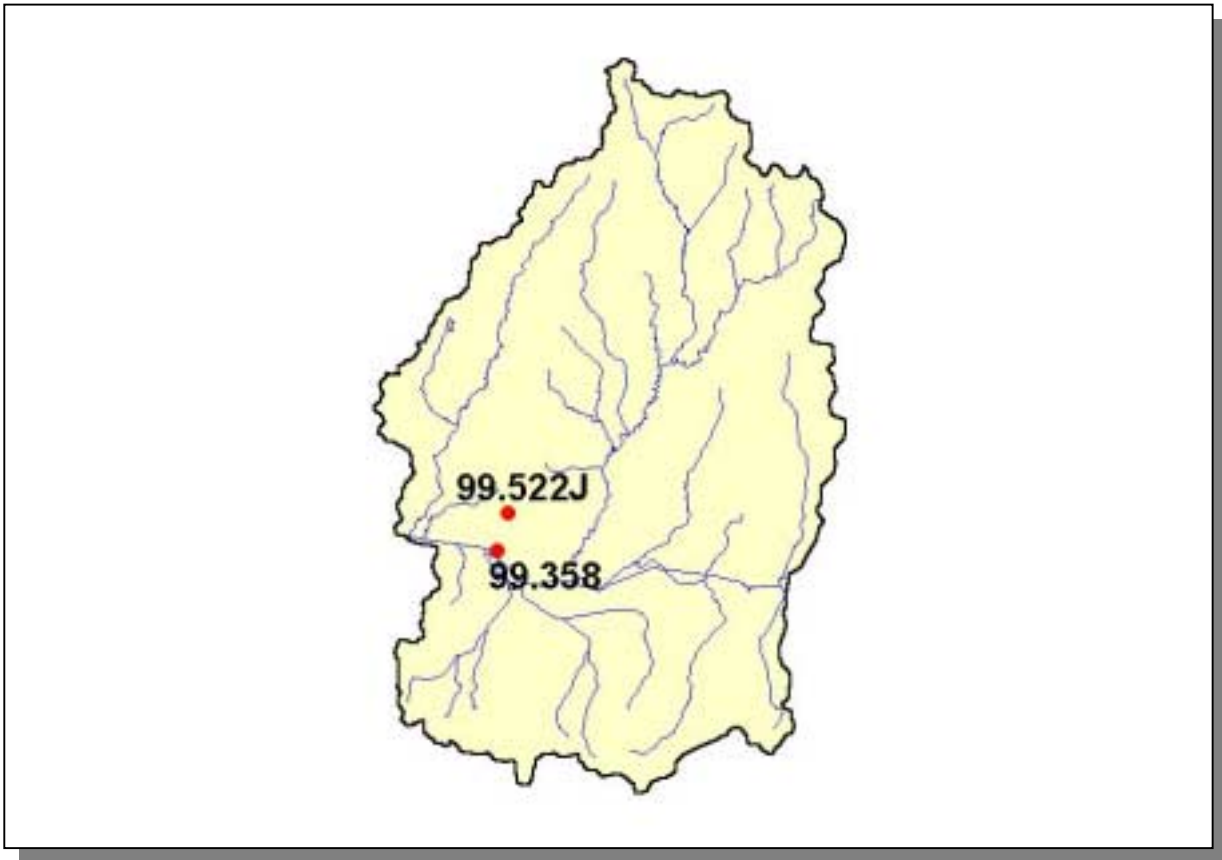
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Chester	12,819	14,469	3.22	413	466	12.8
Henderson	21,844	24,000	4.04	882	969	9.9
Madison	77,982	84,942	4.68	3,647	3,972	8.9
<b>Totals</b>	<b>112,645</b>	<b>123,411</b>		<b>4,942</b>	<b>5,407</b>	<b>9.4</b>

*Table 4-45. Population Estimates in Subwatershed 08010205090.*

**4.2.I.ii.** Point Source Contributions.



*Figure 4-38. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205090. More information, including the names of facilities, is provided in SFFD-Appendix IV.*



**Figure 4-39. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205090.**  
*More information is provided in SFFD-Appendix IV.*

**4.2 I.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205090:

- TN0023272 discharges to RM 0.1 of a tributary to the North Fork of the South Fork Forked Deer River @ RM 8.1



**Figure 4-40. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN
TN0023272	0	0	0	0.005

**Table 4-46. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	NH <sub>3</sub>	FECAL
TN0023272	X	X	X

**Table 4-47. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.**

**4.2.I.iii.** Nonpoint Source Contributions.

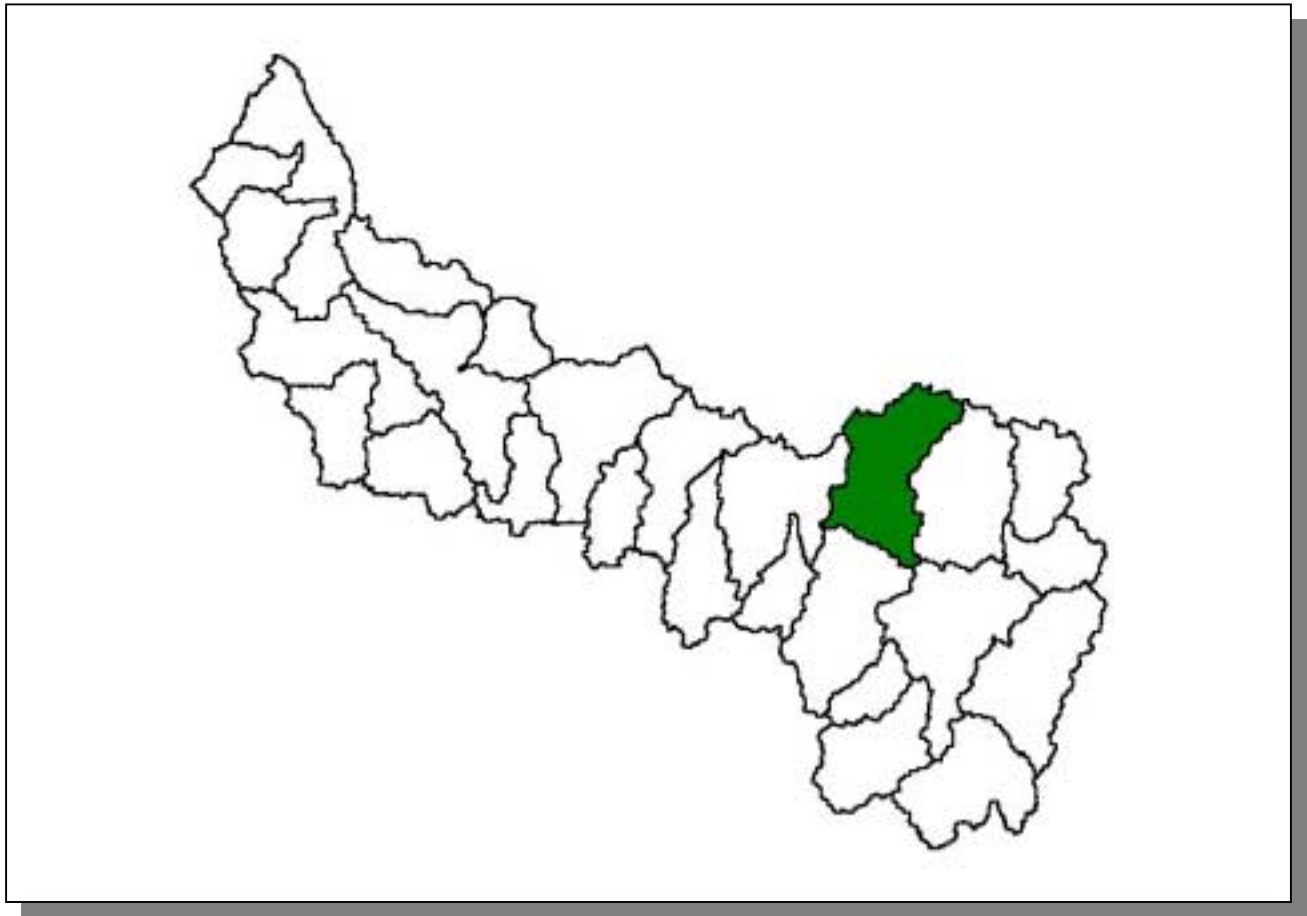
LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Hogs	Chickens	Sheep
808	2,721	<5	1,183	<5	12

**Table 4-48. Summary of Livestock Count Estimates in Subwatershed 08010205090.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	11.12
Soybeans (Row Crops)	7.34
Cotton (Row Crops)	11.19
Other Cropland not Planted	3.57
Grass (Pastureland)	0.57
Grass, Forbs, Legumes (Mixed Pasture)	2.18
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.40
Conservation Reserve Program Land	0.42
Grass (Hayland)	0.51
Wheat (Close Grown Cropland)	5.36
Other Vegetable and Truck Crops	13.10
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Legume Grass (Hayland)	0.21

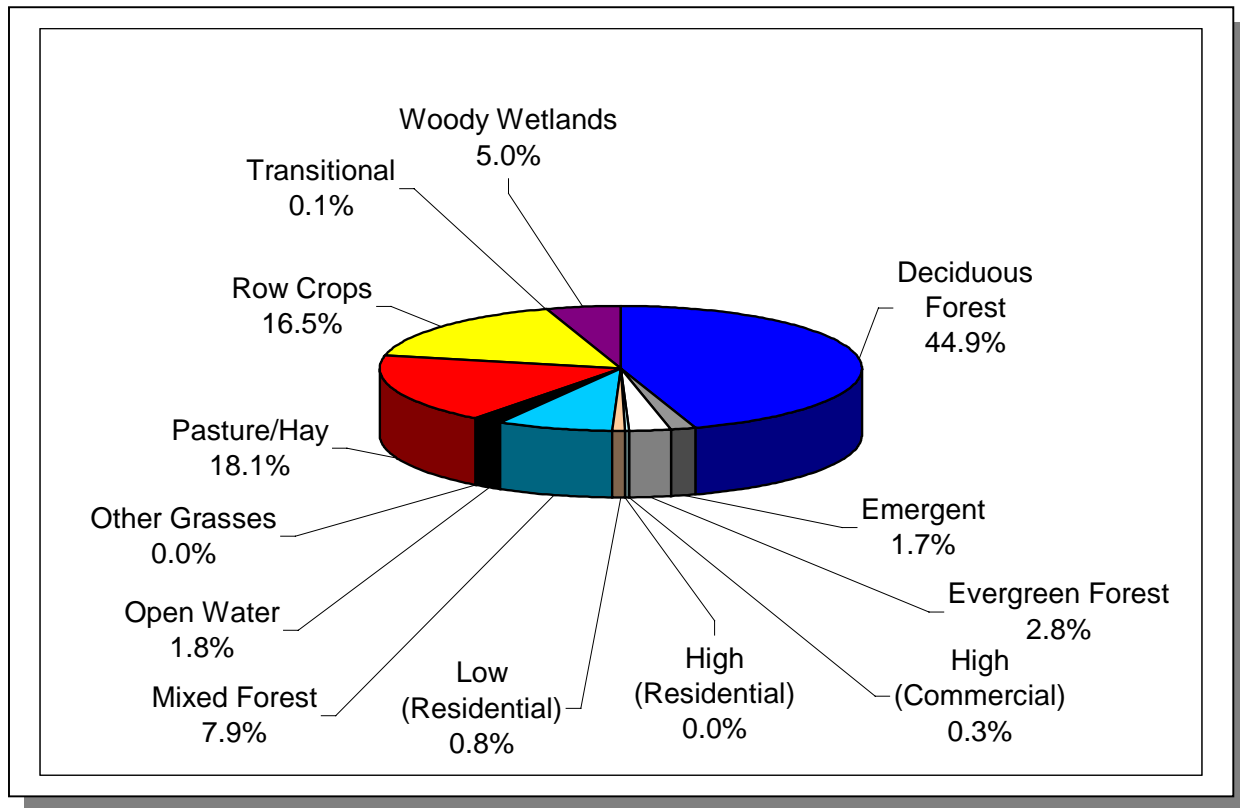
**Table 4-49. Annual Estimated Total Soil Loss in Subwatershed 08010205090.**

4.2.J. 08010205100.

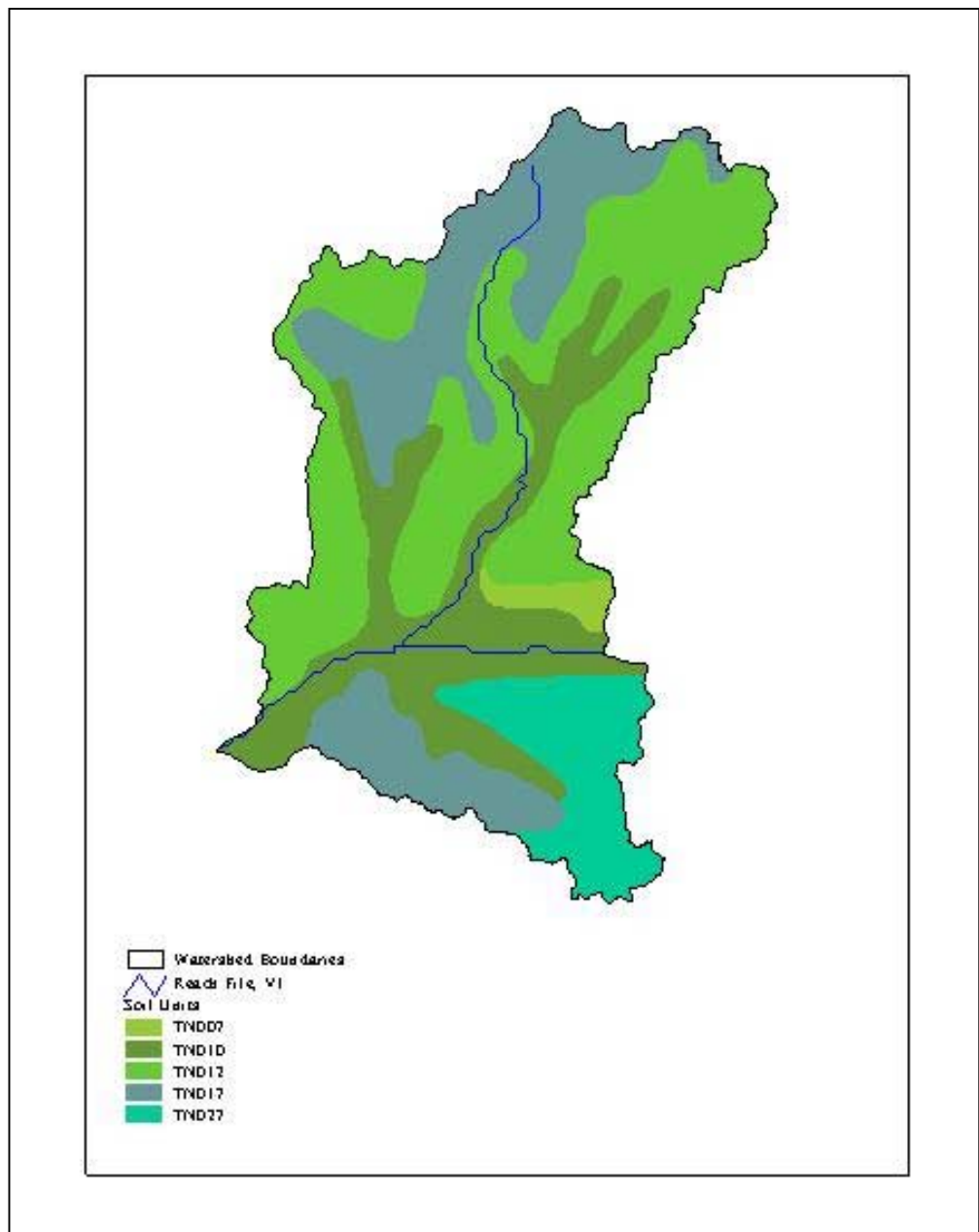


**Figure 4-41. Location of Subwatershed 08010205100.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.J.i. General Description.



**Figure 4-42. Land Use Distribution in Subwatershed 08010205100.** More information is provided in SFFD-Appendix IV.



**Figure 4-43. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205100.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN027	0.00	C	1.26	5.25	Silty Loam	0.41

**Table 4-50. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205100.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County Madison	77,982	84,942	9.82	7,654	8,337	8.9

**Table 4-51. Population Estimates in Subwatershed 08010205100.**



**Figure 4-44. Location of STORET Stations in Subwatershed 08010205100.** More information is provided in SFFD-Appendix IV.

**4.2.J.ii.** Point Source Contributions.

No contributions.

**4.2.J.iii.** Nonpoint Source Contributions.

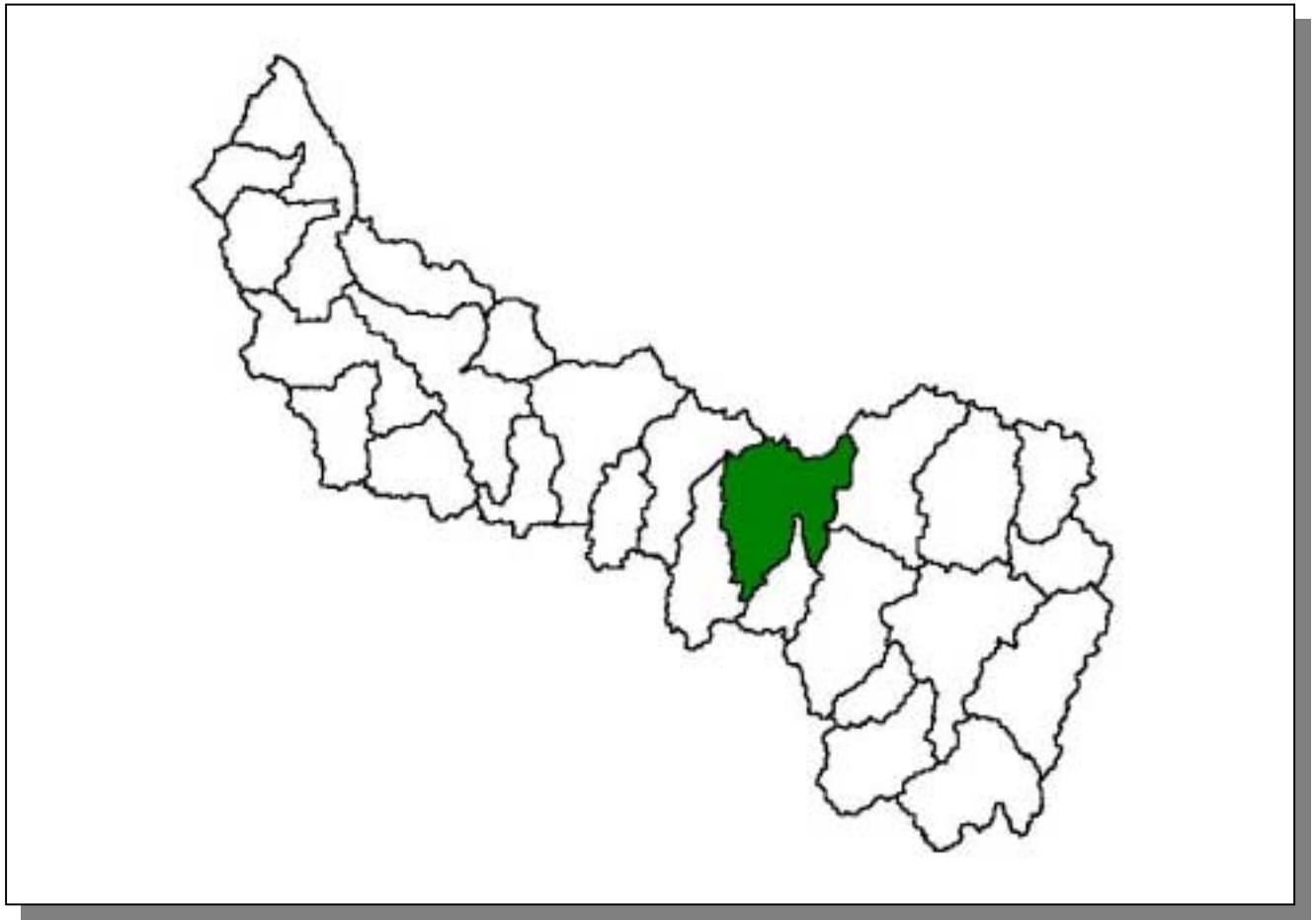
LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
1,022	<5	839

**Table 4-52. Summary of Livestock Count Estimates in Subwatershed 08010205100.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

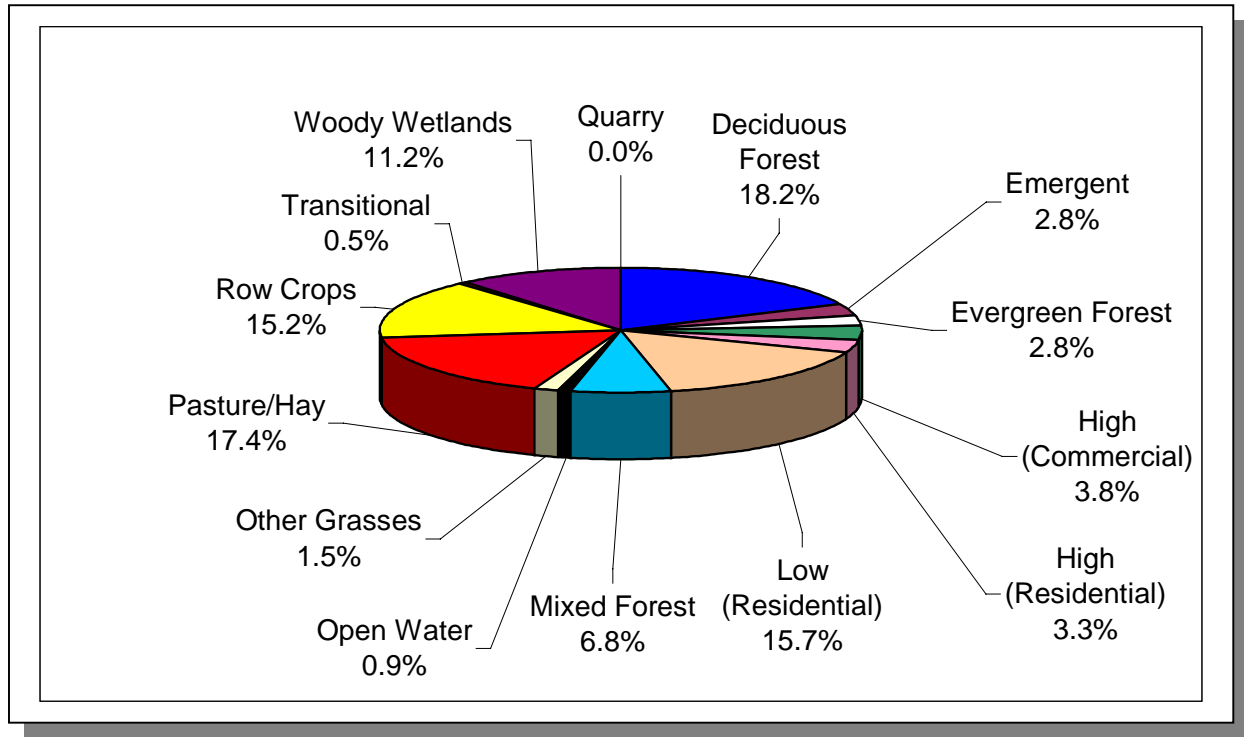
**Table 4-53. Annual Estimated Total Soil Loss in Subwatershed 08010205100.**

4.2.K. 08010205110.

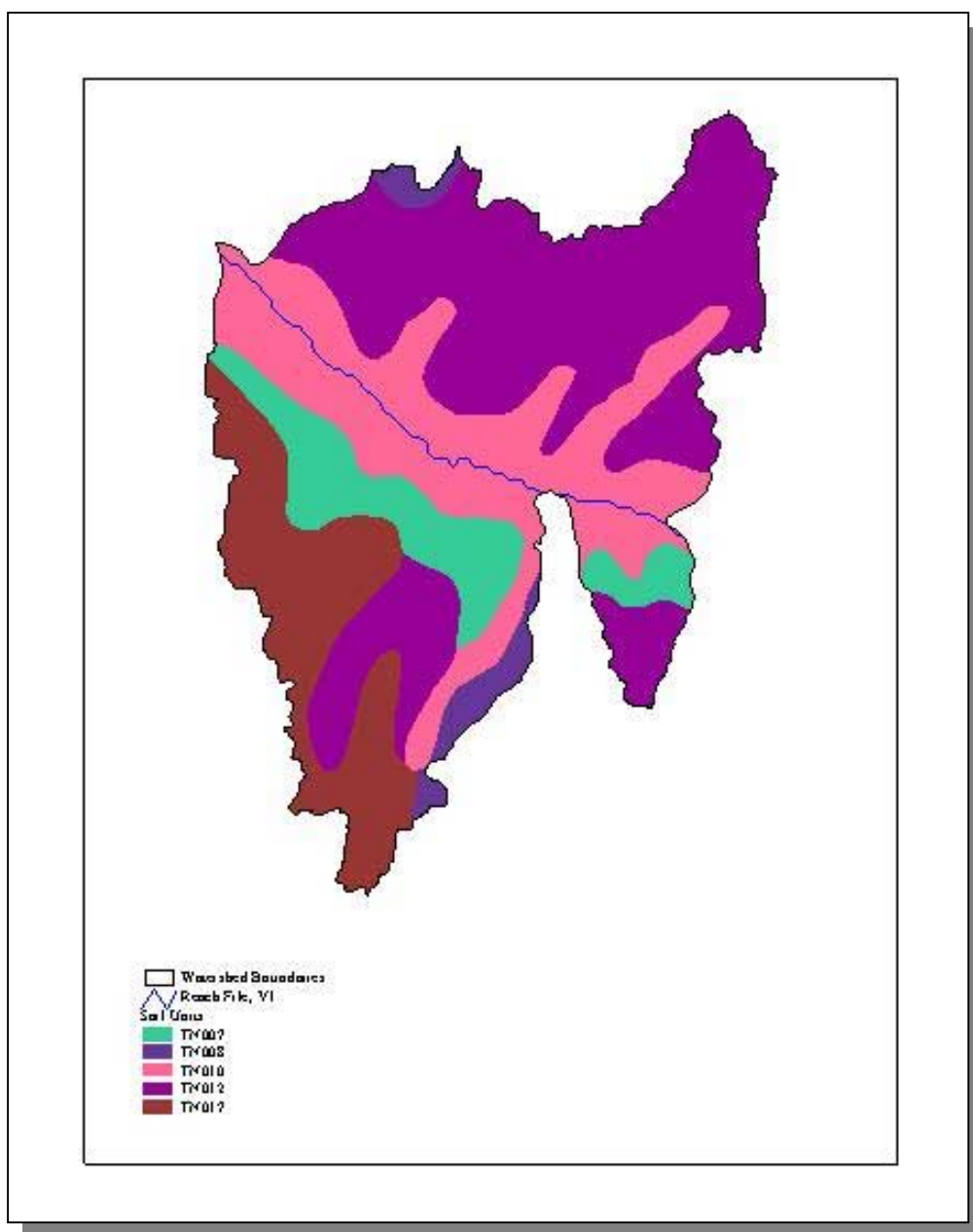


**Figure 4-45. Location of Subwatershed 08010205110.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.K.i. General Description.



**Figure 4-46. Land Use Distribution in Subwatershed 08010205110.** More information is provided in SFFD-Appendix IV.



**Figure 4-47. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205110.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

**Table 4-54. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205110.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Madison	77,982	84,942	10.11	7,883	8,587	8.9

**Table 4-55. Population Estimates in Subwatershed 08010205110.**

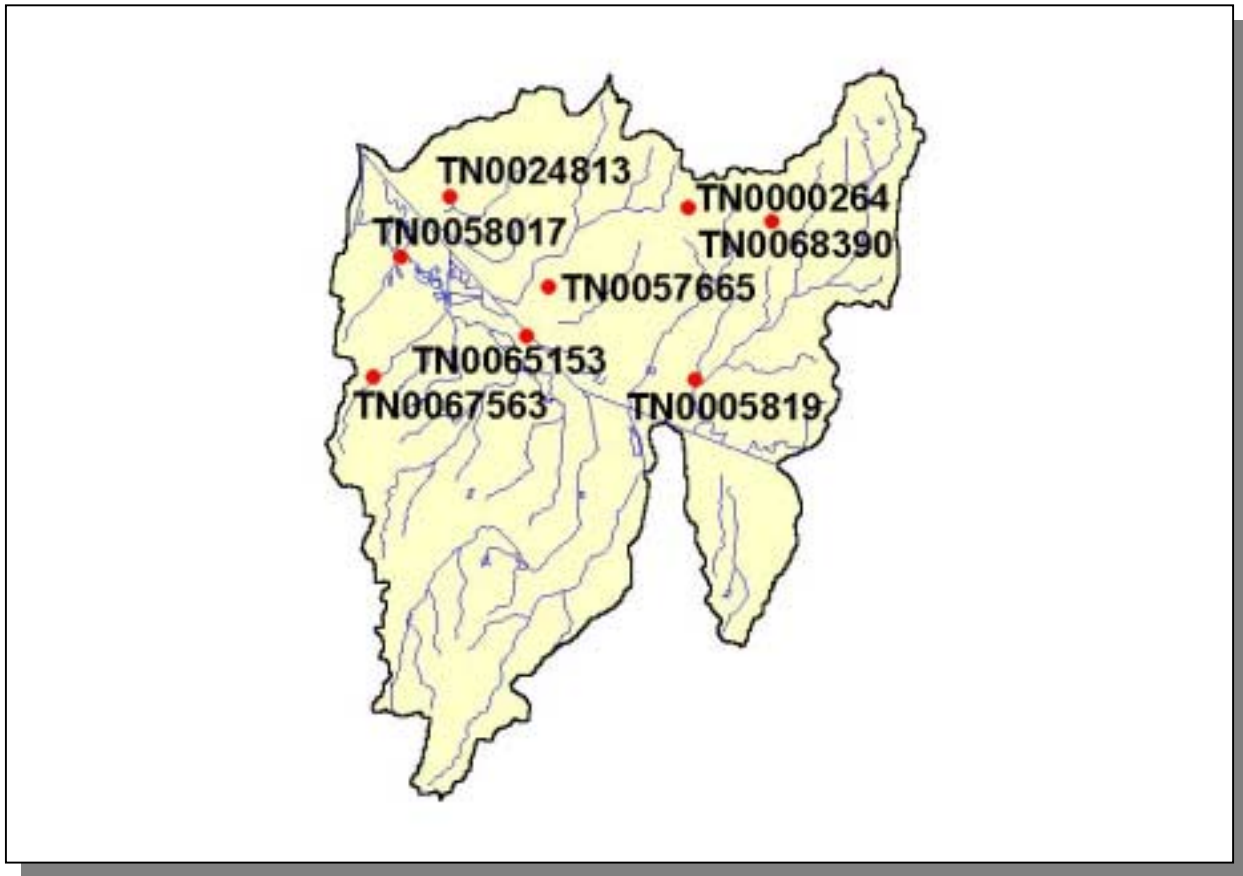
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Jackson	Madison	48,949	20,739	20,197	512	30

**Table 4-56. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205110.**



**Figure 4-48. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010205110.** More information is provided in SFFD-Appendix IV.

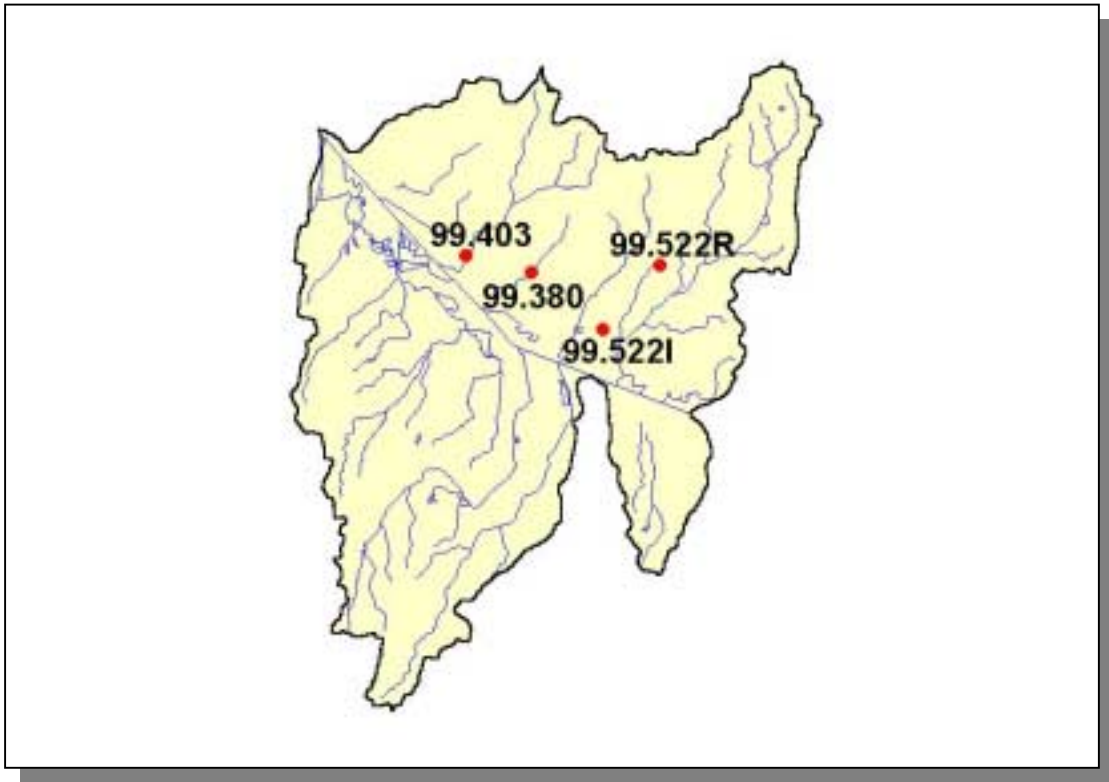
4.2.K.ii. Point Source Contributions.



**Figure 4-49. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205110.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-50. Location of Active Mining Sites in Subwatershed 08010205110.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-51. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205110.**  
More details may be found in SFFD-Appendix IV.

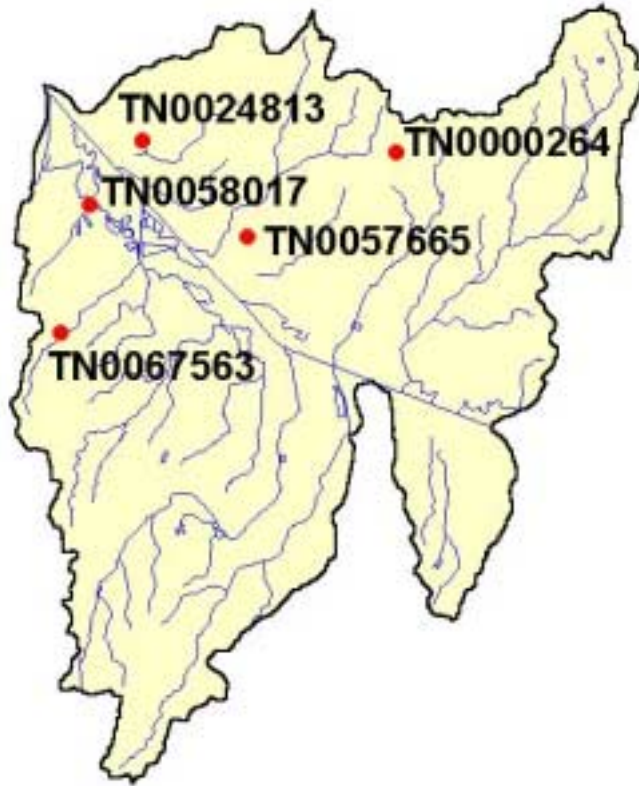


**Figure 4-52. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010205110.** Impact (Blue Triangle) and mitigation (red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

#### 4.2 K.ii.a. Dischargers to Waterbodies Listed on the 1998 303(d) List.

There are five NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205110:

- TN0000264 discharges to RM 2.6 of a trib to Anderson Branch @ RM 2.5
- TN0024813 discharges to Fork Forked Deer River @ RM 50.8
- TN0057665 discharges to RM 0.5 of a tributary to Sandy Creek @ RM 0.7
- TN0058017 discharges to a storm drain @ RM0.5 of Sandy Creek
- TN0067563 discharges to mile 2.5 of a tributary to SFFD @ RM 51.7



**Figure 4-53. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0000264	0	0	0	17.4	3.28
TN0024813	52.72	46.99	54.27		10.015
TN0057665	0	0	0		0.064
TN0058017	0	0	0		0.0729
TN0067563	0	0	0		0.028

**Table 4-57. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	NH <sub>3</sub>	FECAL	METALS	WET
TN0000264				X	X
TN0024813	X	X	X	X	X

**Table 4-58. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.**

PERMIT #	Cu	Zn	Cr	Al	Hg	Pb
TN0000264	X	X	X	X	X	X
TN0024813					X	X

**Table 4-59. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 08010205110.**

PERMIT #	TSS	pH	TRC	Pb	TEMP	Cr	DURATION
TN00264						1	01/90-04/99
TN24813				2			01/90-08/99
TN58017			14		2		04/92-05/96
TN67563	4	48	6				09/93-04/98

**Table 4-60. Number of Permit Violations Based on DMR Data for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.**

**4.2.K.iii. Nonpoint Source Contributions.**

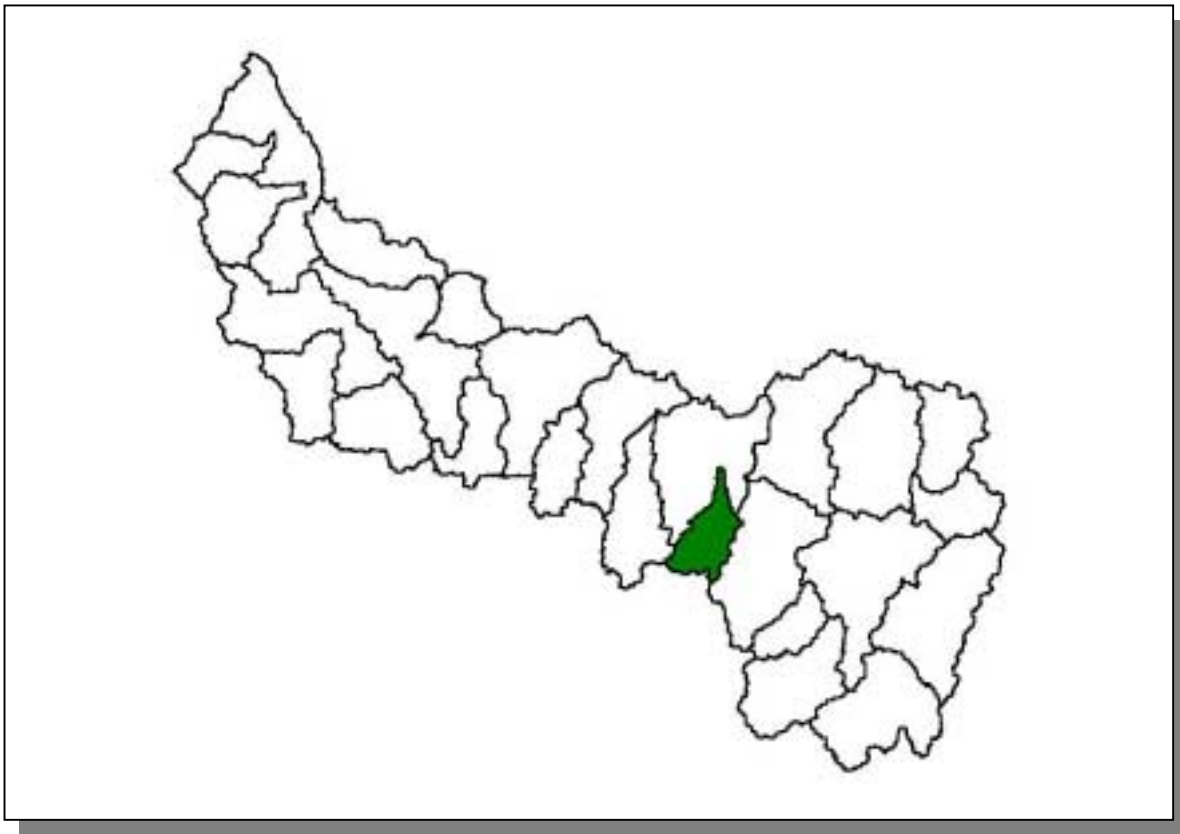
LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
1,009	<5	828

**Table 4-61. Summary of Livestock Count Estimates in Subwatershed 08010205110.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

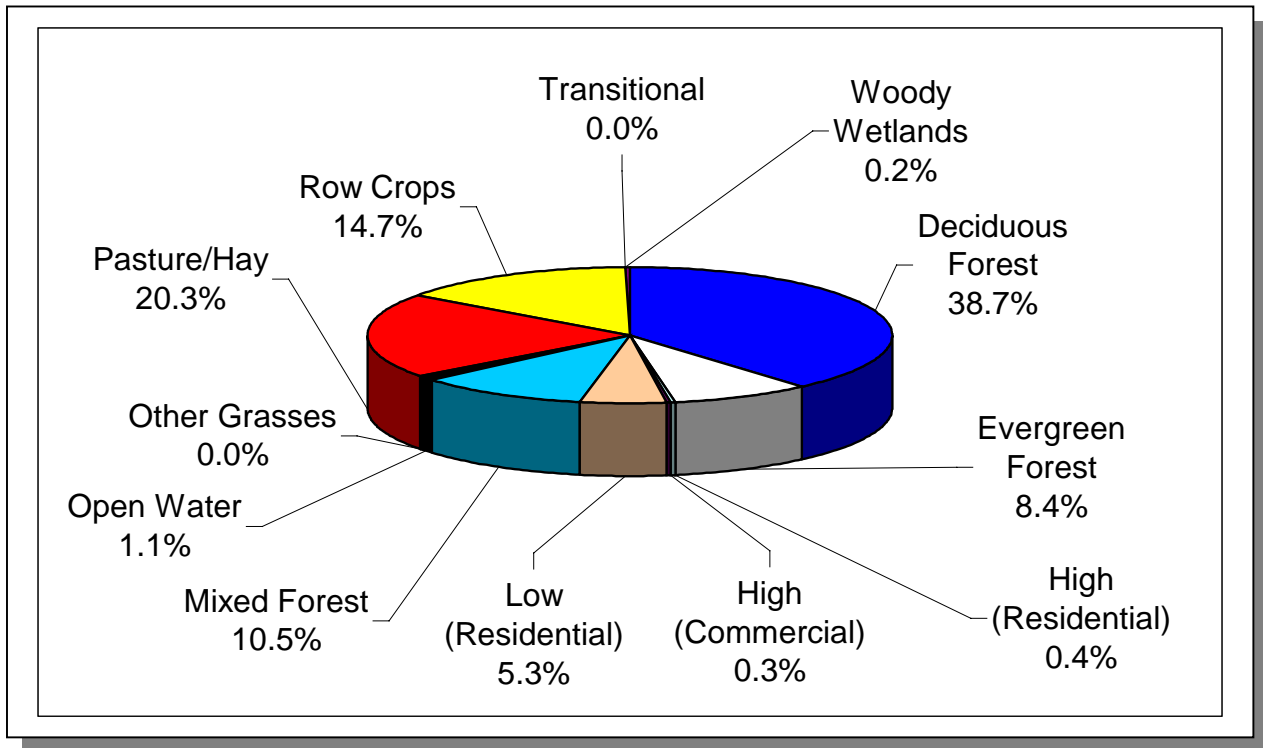
**Table 4-62. Annual Estimated Total Soil Loss in Subwatershed 08010205110.**

**4.2.L. 08010205120.**

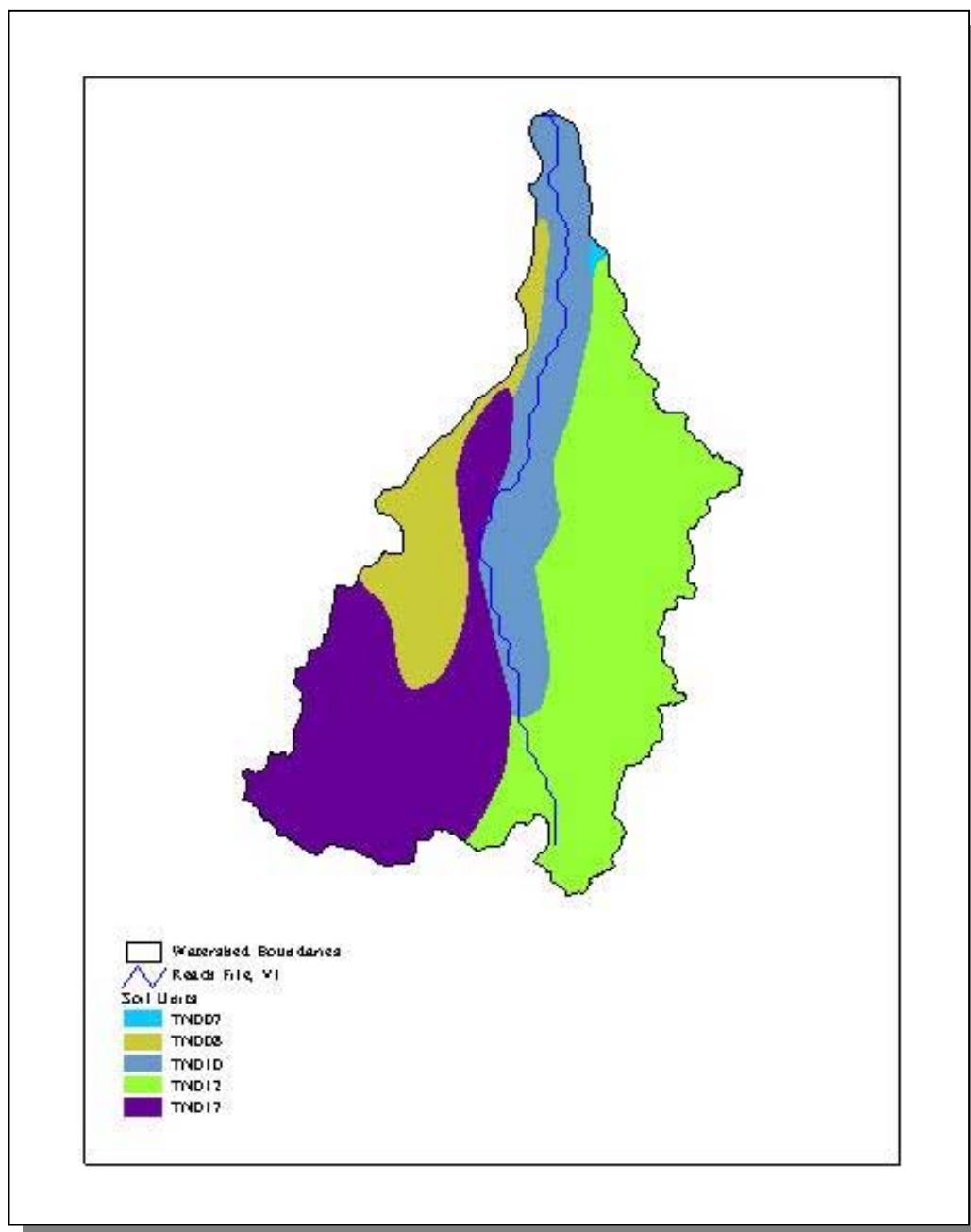


**Figure 4-54. Location of Subwatershed 08010205120.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.L.i. General Description.



**Figure 4-55. Land Use Distribution in Subwatershed 08010205120.** More information is provided in SFFD-Appendix IV.



**Figure 4-56. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205120.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

**Table 4-63. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205120.** More information is provided in SFFD-Appendix IV

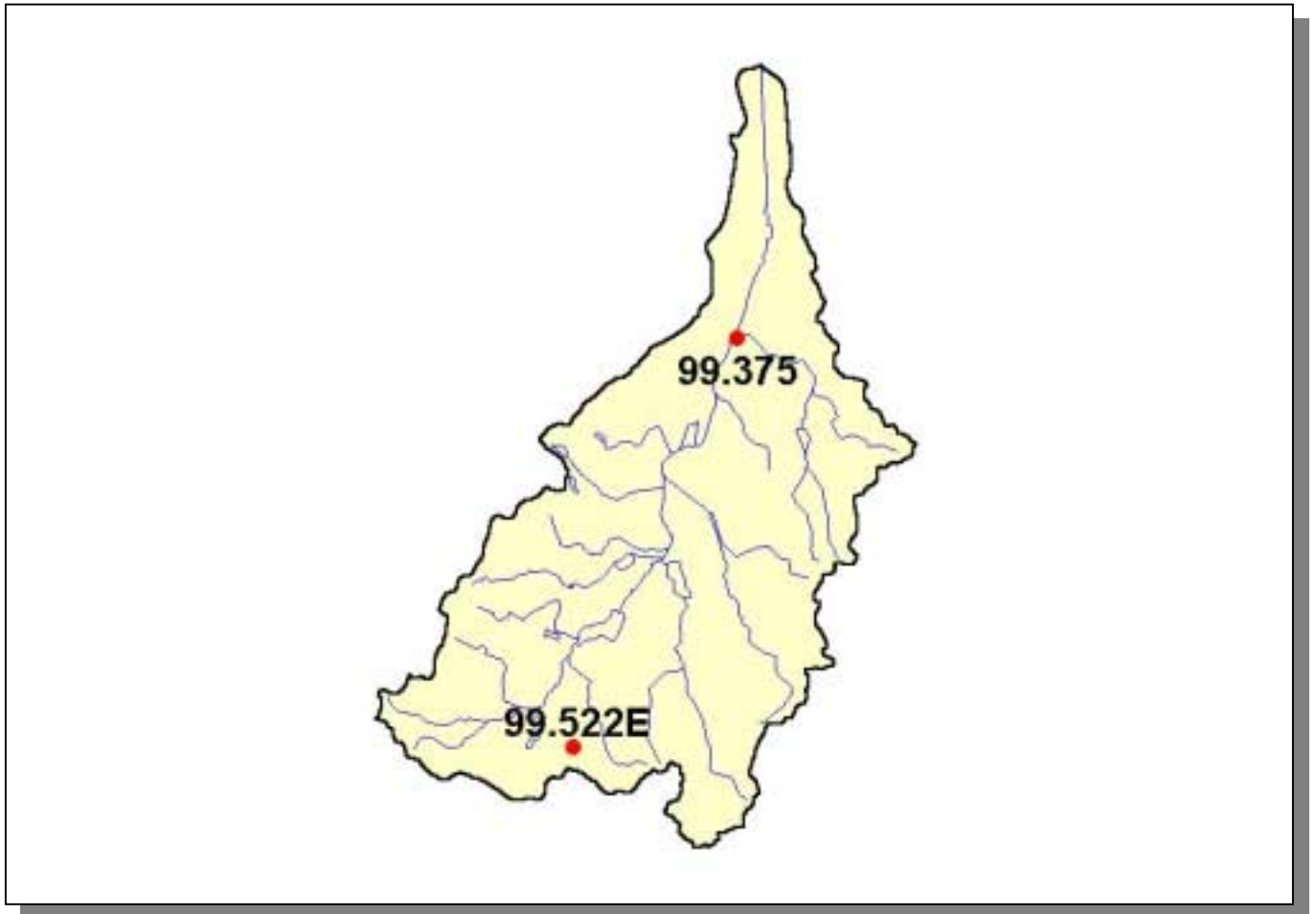
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Madison	77,982	84,942	3.55	2,770	3,017	8.9

*Table 4-64. Population Estimates in Subwatershed 08010205120.*

NUMBER OF HOUSING UNITS						
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Jackson	Madison	48,949	20,739	20,197	512	30

*Table 4-65. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205120.*

**4.2.L.ii.** Point Source Contributions.



**Figure 4-57. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205120.**  
More information is provided in SFFD-Appendix IV.

**4.2.L.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)	
Cattle	Hogs
414	340

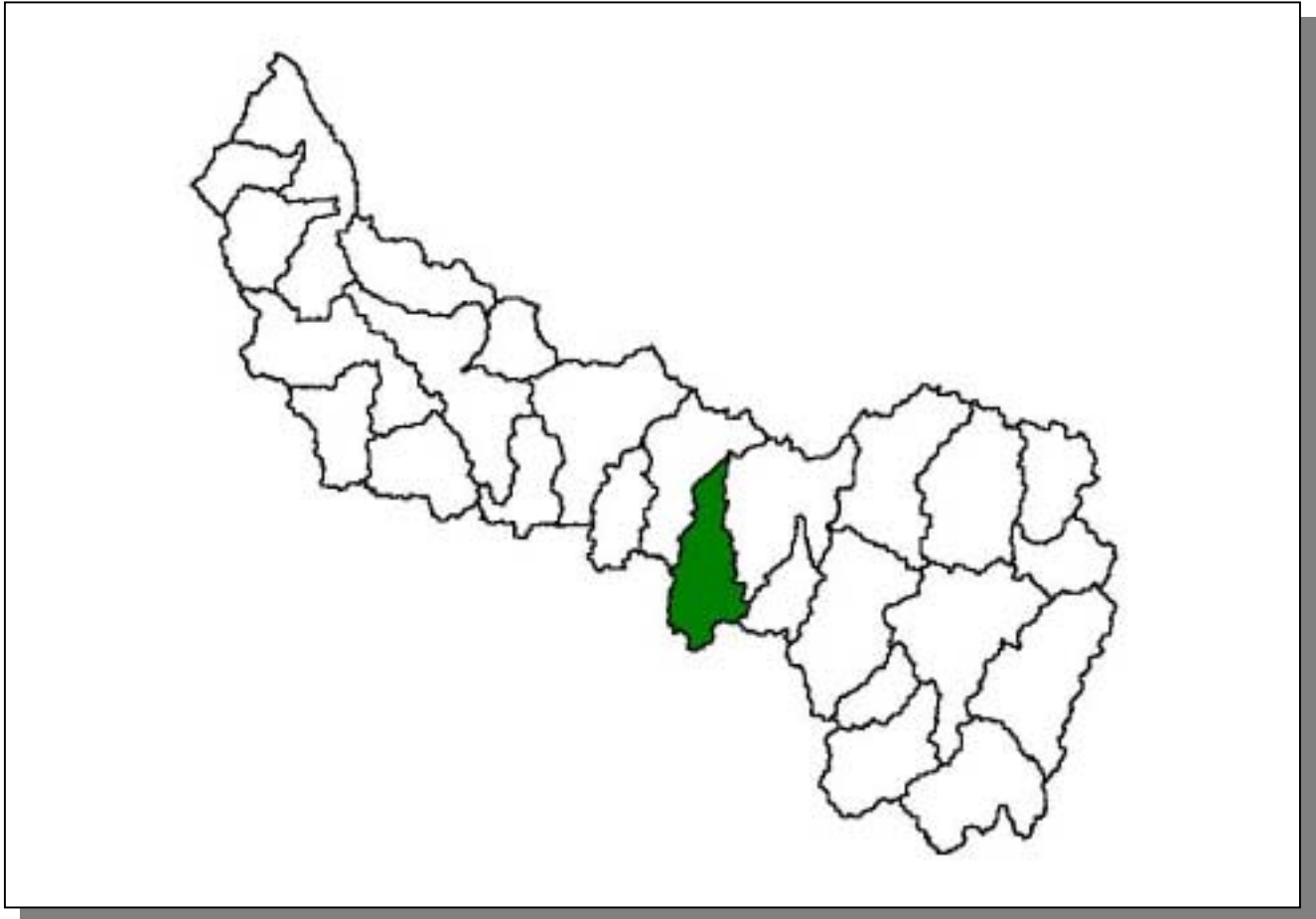
**Table 4-66. Summary of Livestock Count Estimates in Subwatershed 08010205120.**

According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

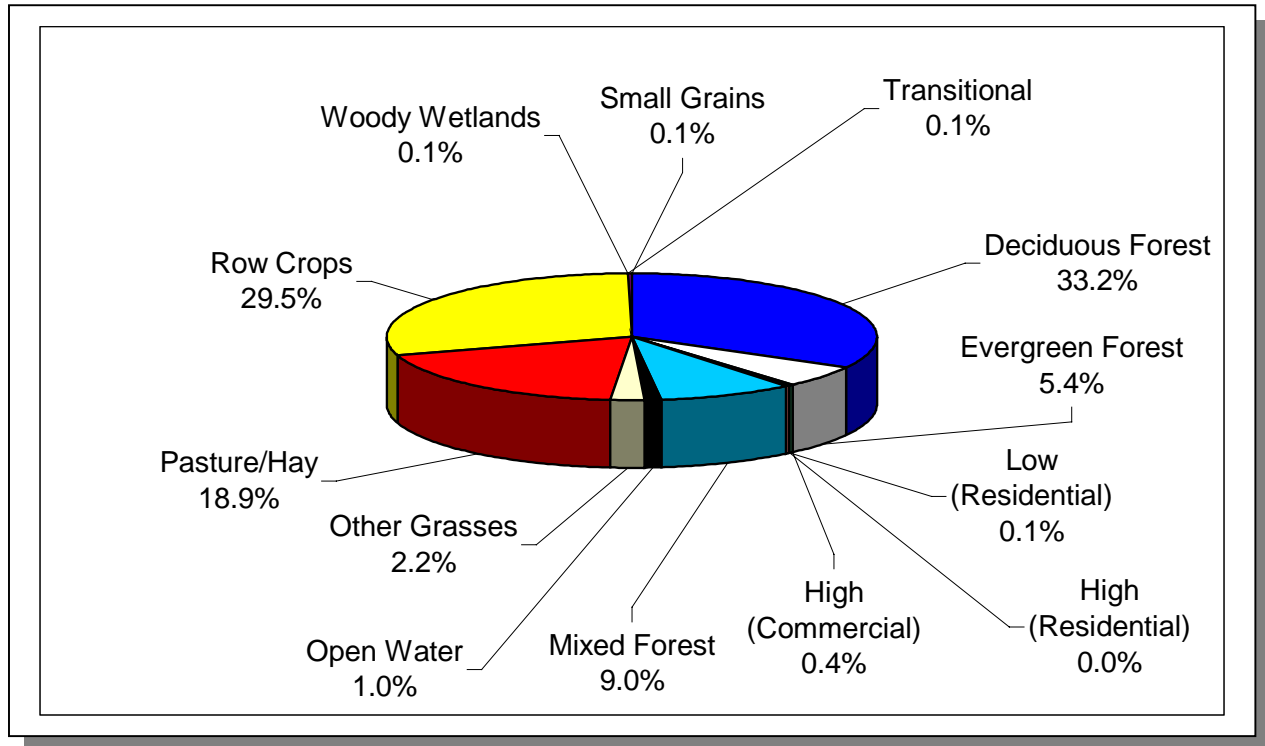
**Table 4-67. Annual Estimated Total Soil Loss in Subwatershed 08010205120.**

4.2.M. 08010205130.

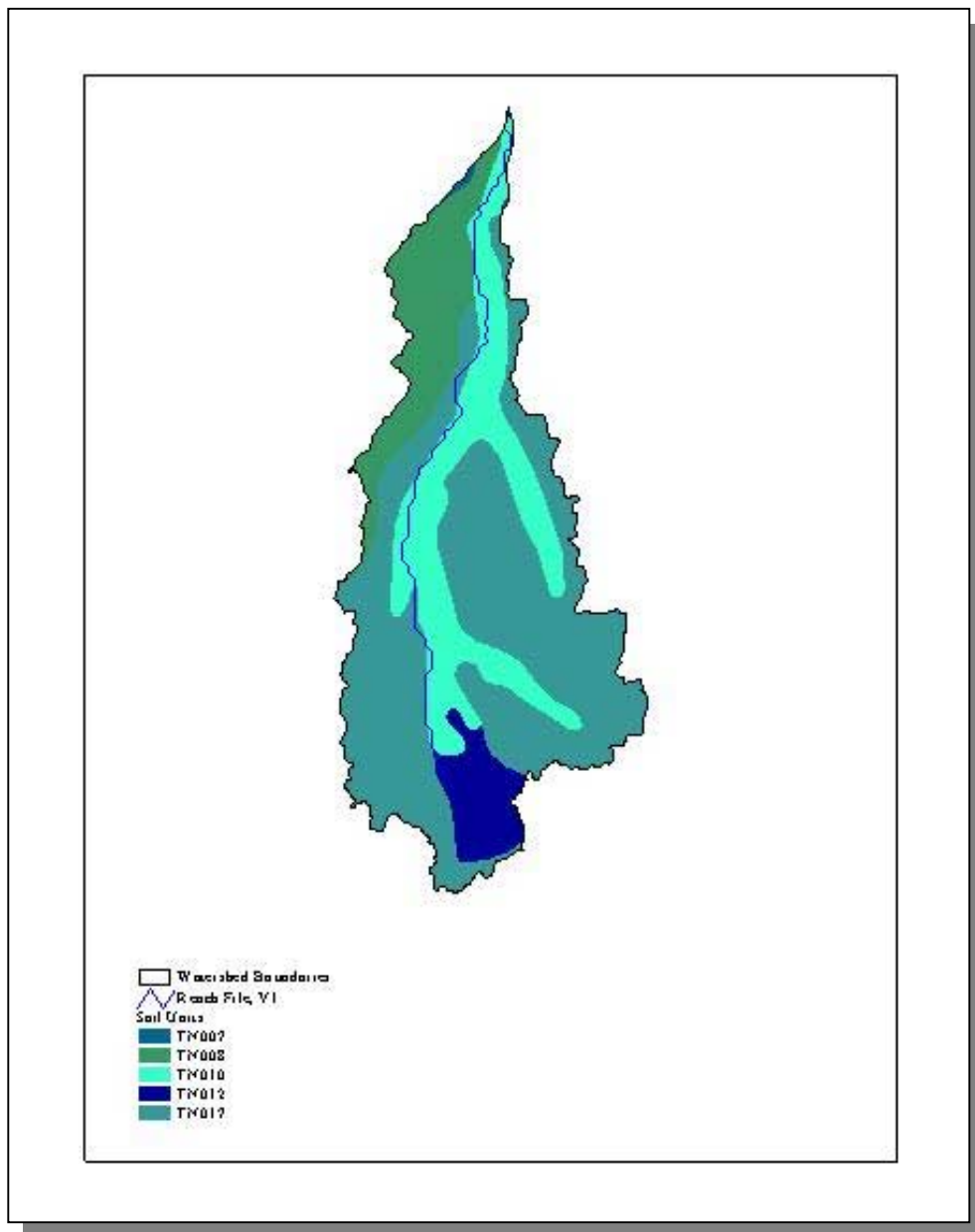


**Figure 4-58. Location of Subwatershed 08010205130.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.M.i.** General Description.



**Figure 4-59. Land Use Distribution in Subwatershed 08010205130.** More information is provided in SFFD-Appendix IV.



**Figure 4-60. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205130.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	36.00	C	1.30	5.36	Silty Loam	0.48
TN008	11.00	C	1.38	5.20	Silty Loam	0.48
TN010	92.00	C	1.33	5.11	Silty Loam	0.44
TN012	5.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

**Table 4-68. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205130.** More information is provided in SFFD-Appendix IV.

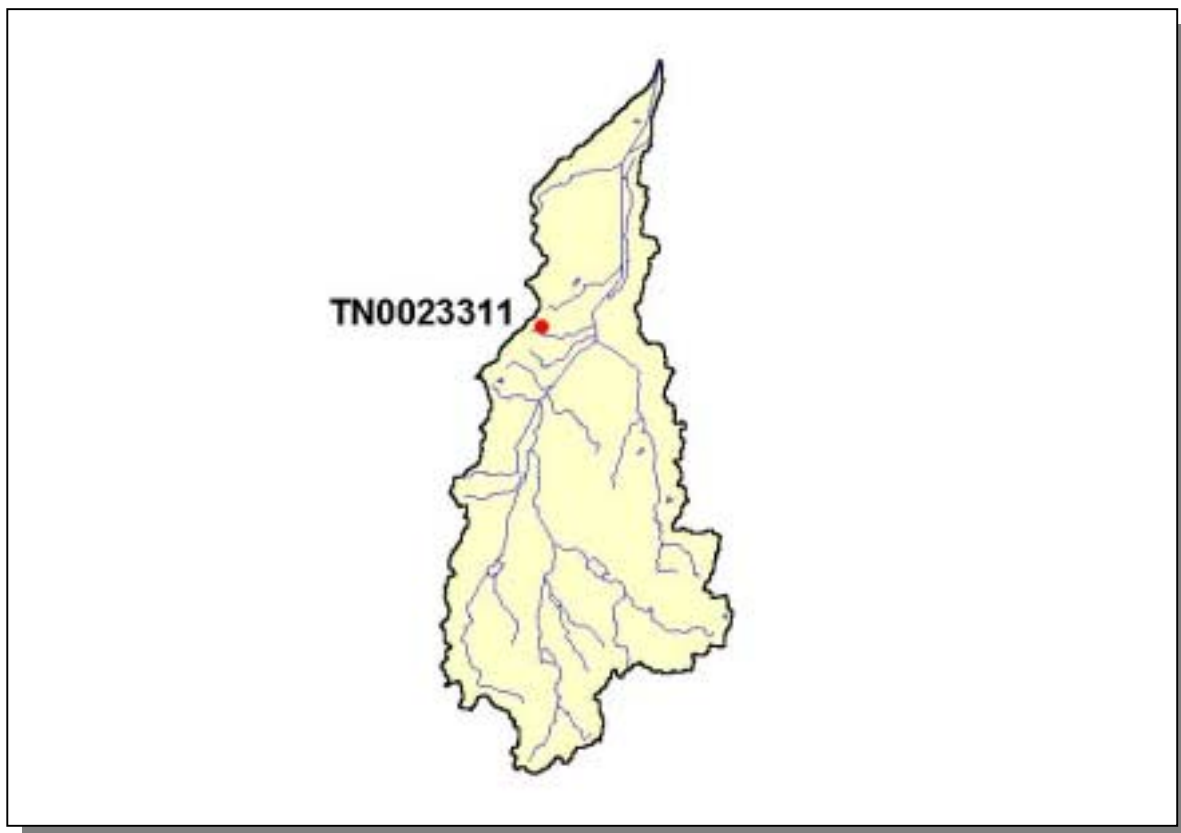
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Madison	77,982	84,942	6.43	5,013	5,461	8.9

*Table 4-69. Population Estimates in Subwatershed 08010205130.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Jackson	Madison	48,949	20,739	20,197	512	30

*Table 4-70. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205130.*

**4.2.M.ii.** Point Source Contributions.



*Figure 4-61. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205130. More information, including the names of facilities, is provided in SFFD-Appendix IV.*



**Figure 4-62. Location of Active Mining Sites in Subwatershed 08010205130.** More information, including the names of facilities, is provided in SFFD-Appendix IV.

**4.2 M.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205130:

- TN0023311 discharges to RM 0.1 of a tributary to Johnson Creek @ RM 5.3



**Figure 4-63. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205130.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	QDESIGN
TN0023311	0.31	0.0125

**Table 4-71. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205130.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	NH <sub>3</sub>	FECAL
TN0023311	X	X	X

**Table 4-72. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205130.**

**4.2.M.iii.** Nonpoint Source Contributions.

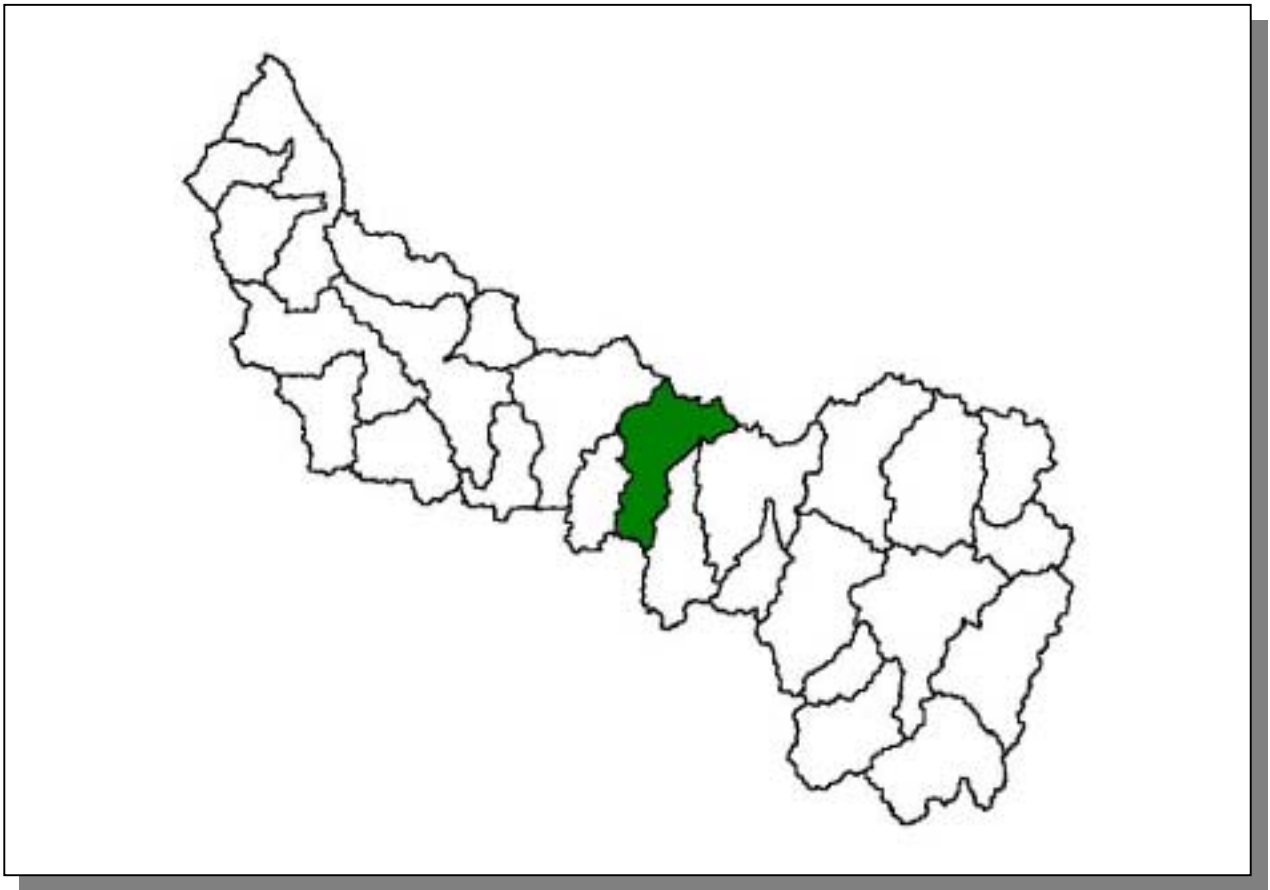
LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
698	<5	573

**Table 4-73. Summary of Livestock Count Estimates in Subwatershed 08010205130.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

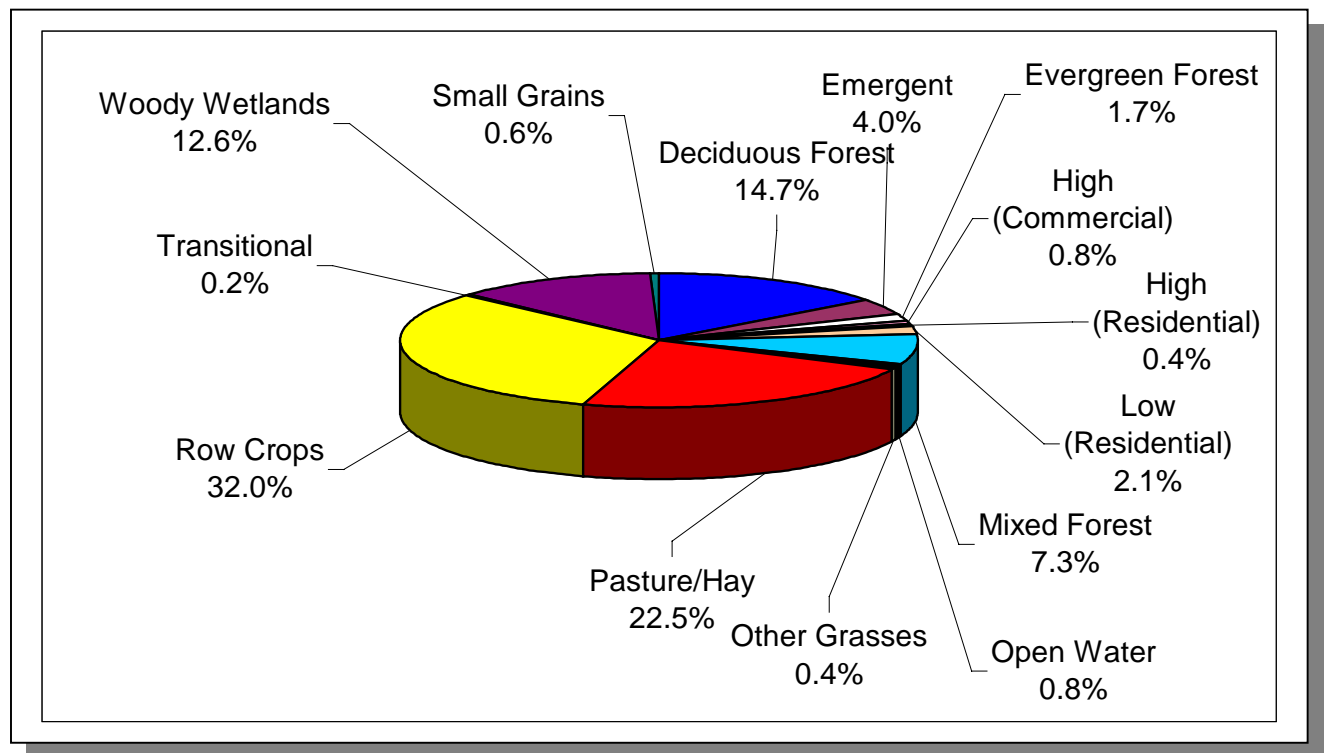
**Table 4-74. Annual Estimated Total Soil Loss in Subwatershed 08010205130.**

4.2.N.08010205140

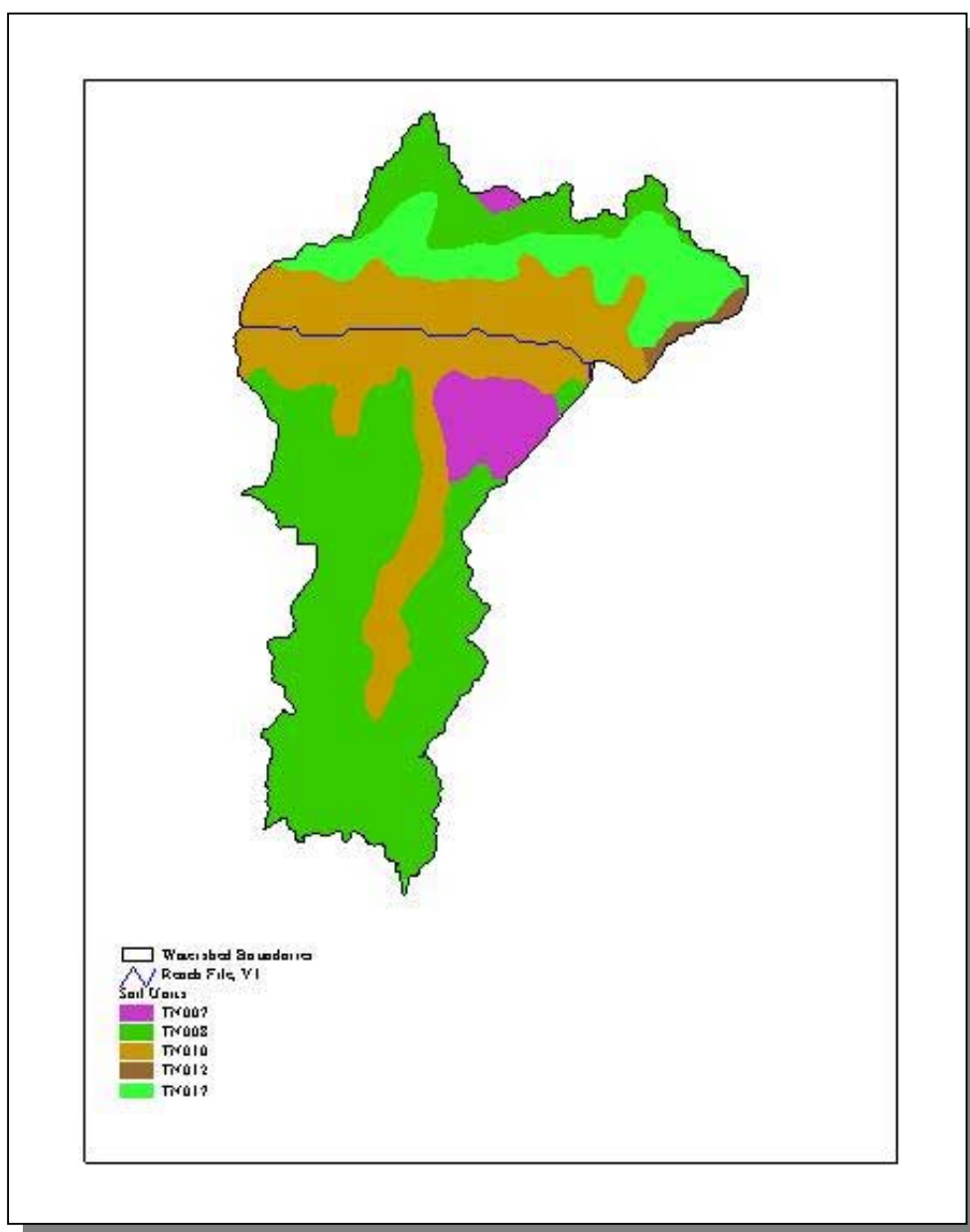


**Figure 4-64. Location of Subwatershed 08010205140.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.N.i. General Description.**



**Figure 4-65. Land Use Distribution in Subwatershed 08010205140.** More information is provided in SFFD-Appendix IV.



**Figure 4-66. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205140.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	36.00	C	1.30	5.36	Silty Loam	0.48
TN008	11.00	C	1.38	5.20	Silty Loam	0.48
TN010	92.00	C	1.33	5.11	Silty Loam	0.44
TN012	5.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

**Table 4-75. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205140.** More details are provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County						
Madison	77,982	84,942	7.54	5,877	6,401	8.9

**Table 4-76. Population Estimates in Subwatershed 08010205140.**

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Jackson	Madison	48,949	20,739	20,197	512	30

**Table 4-77. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205140.**

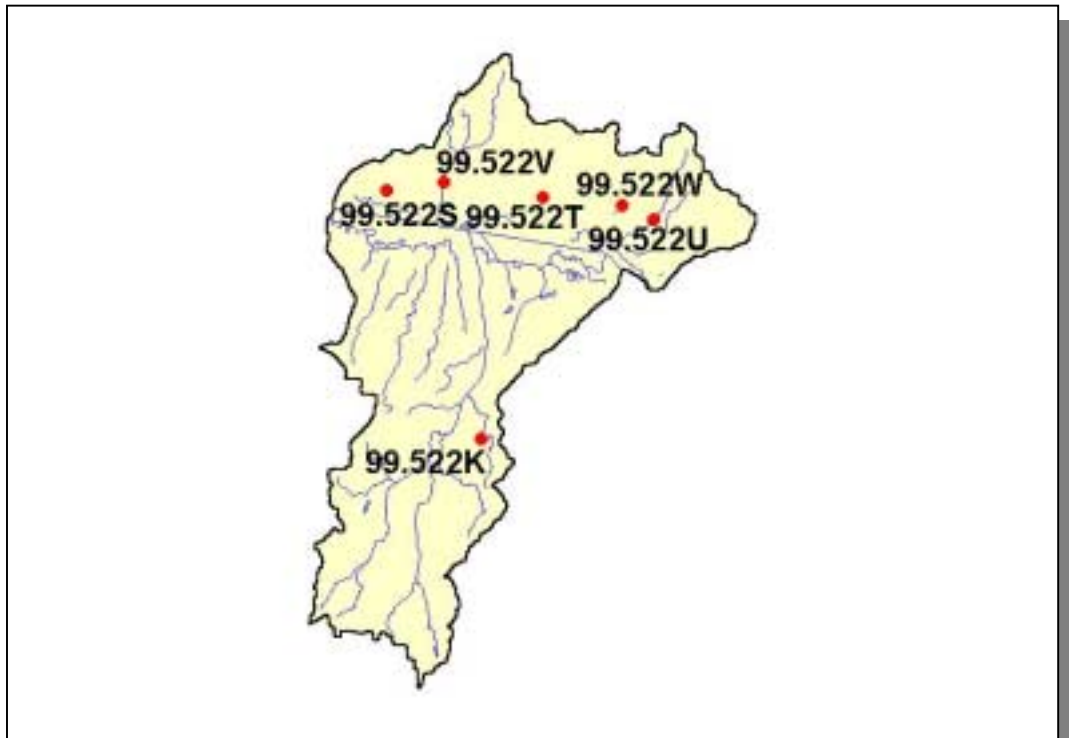
**4.2.N.ii** Point Source Contributions.



**Figure 4-67. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205140.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-68. Location of Active Mining Sites in Subwatershed 08010205140.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-69. Location of ARAP Sites (Individual Sites) in Subwatershed 08010205140.** More information is provided in SFFD-Appendix IV.



**figure 4-70. Wetland Impact and Mitigation Sites in Subwatershed 08010205140.** Impact (Blue Triangle) and mitigation (red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

**4.2.N.iii.** Nonpoint Source Contributions.

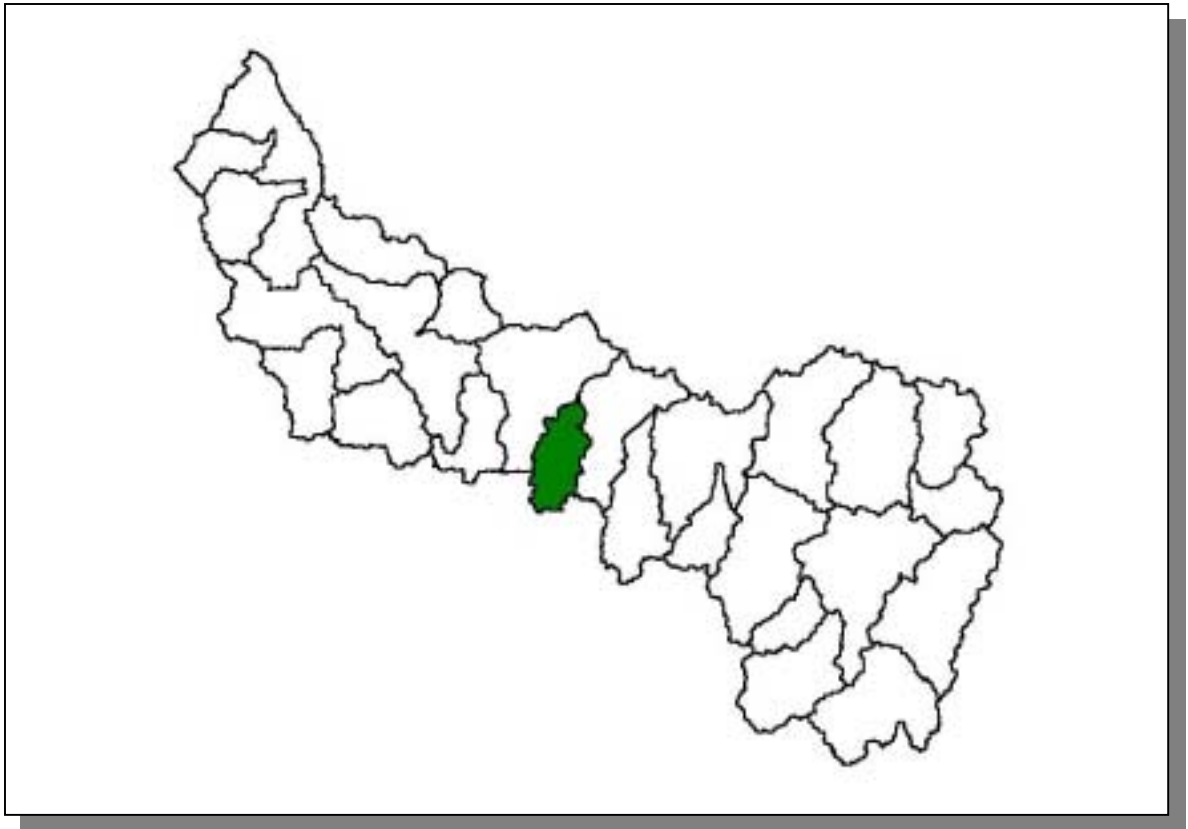
LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
974	<5	799

**Table 4-78. Summary of Livestock Count Estimates in Subwatershed 08010205140.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	WATERSHED
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

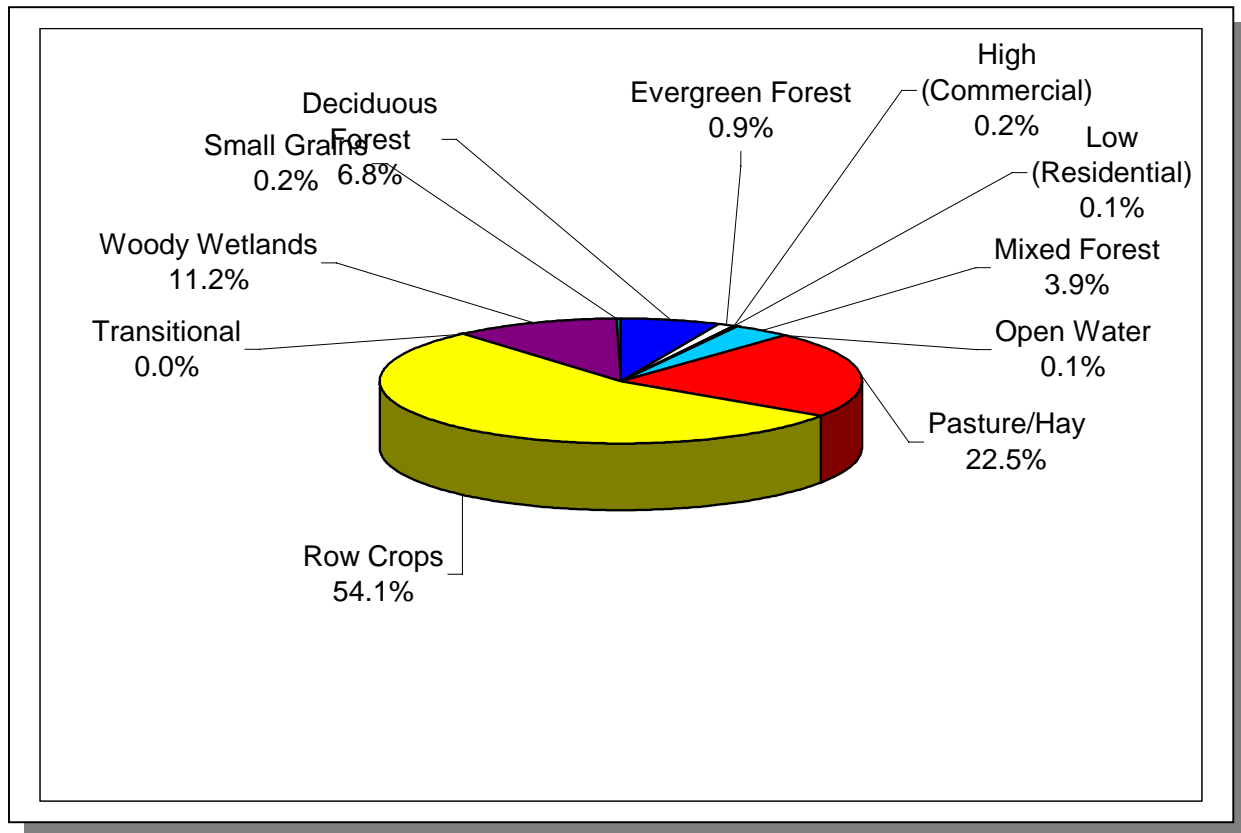
**Table 4-79. Annual Estimated Total Soil Loss in Subwatershed 08010205140.**

4.2.O. 08010205150.

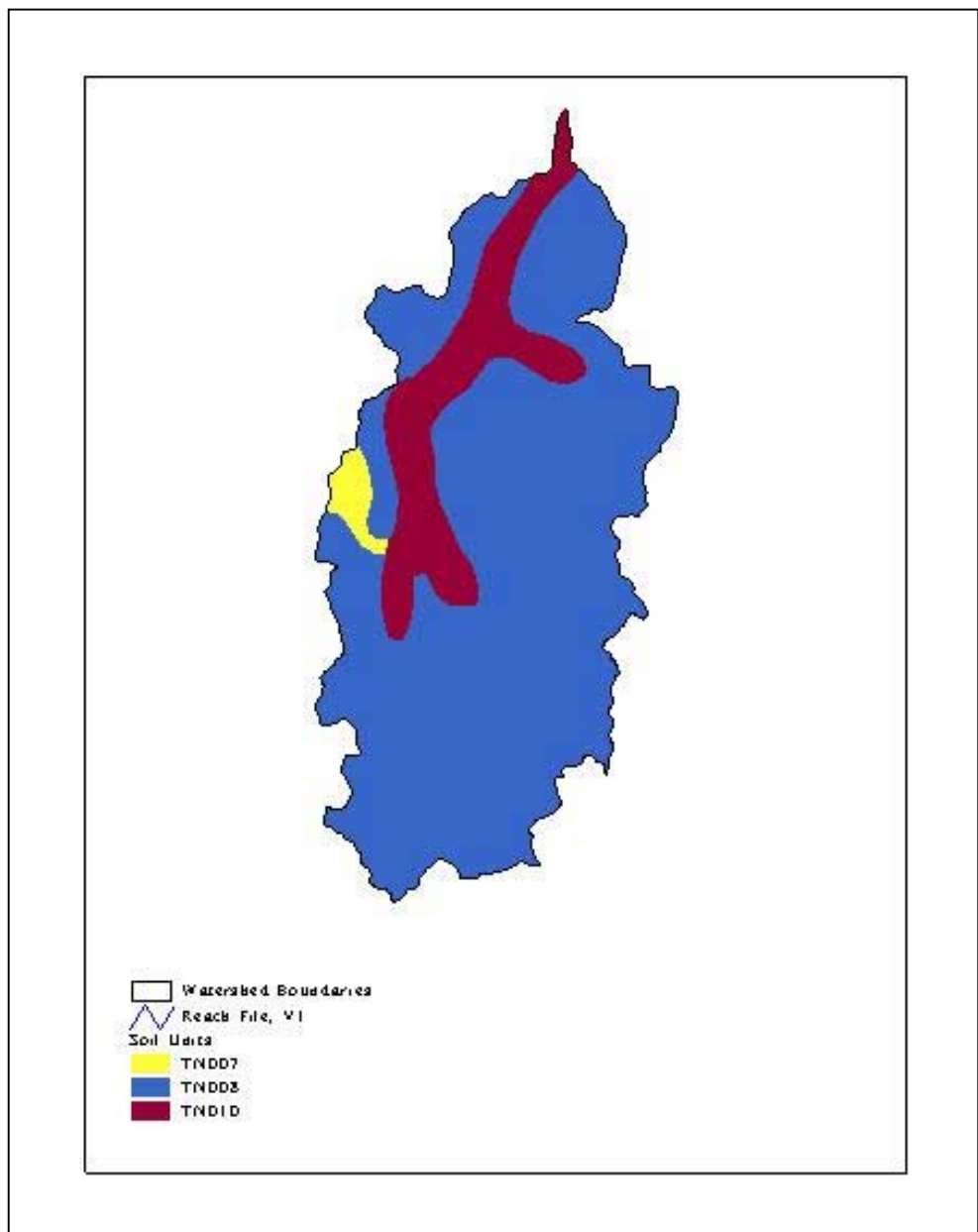


**Figure 4-71. Location of Subwatershed 08010205150.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.O.i. General Description.



**Figure 4-72. Land Use Distribution in Subwatershed 08010205150.** More information is provided in SFFD-Appendix IV.



**Figure 4-73. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205150.**

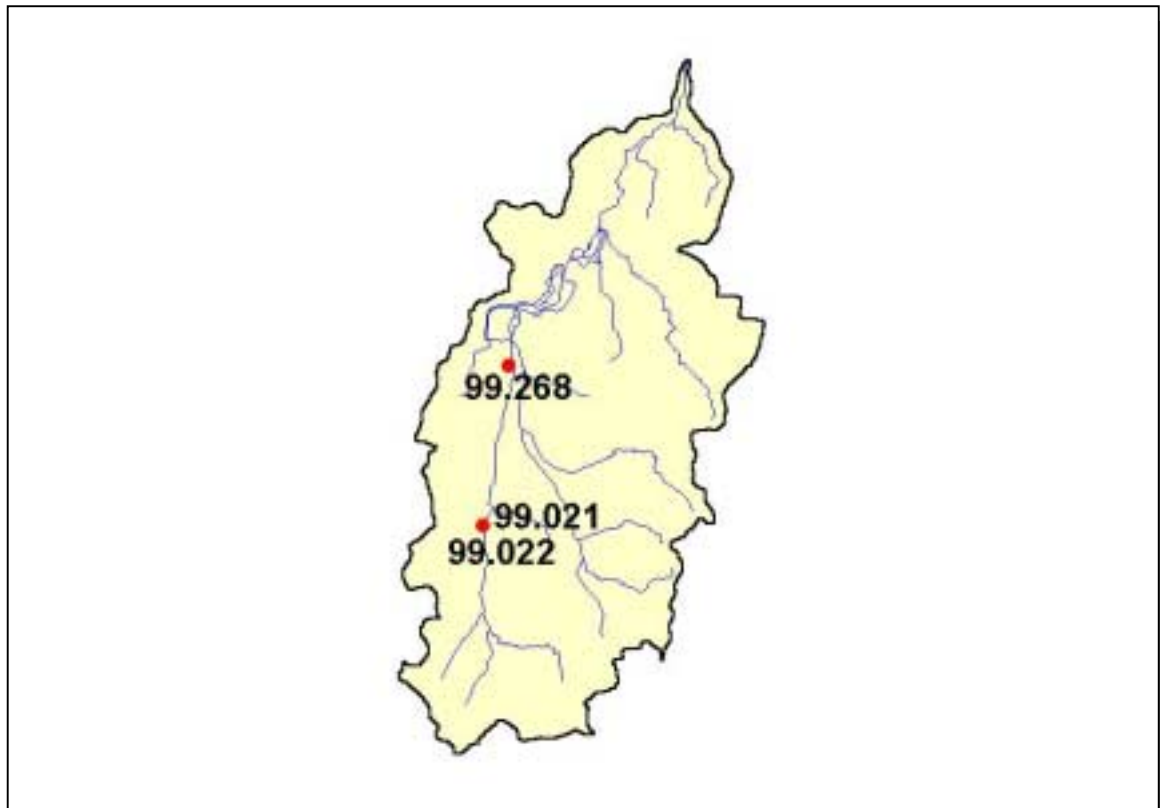
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	36.00	C	1.30	5.36	Silty Loam	0.48
TN008	11.00	C	1.38	5.20	Silty Loam	0.48
TN010	92.00	C	1.33	5.11	Silty Loam	0.44

**Table 4-80. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205150.** More information is provided in SFFD-Appendix IV.

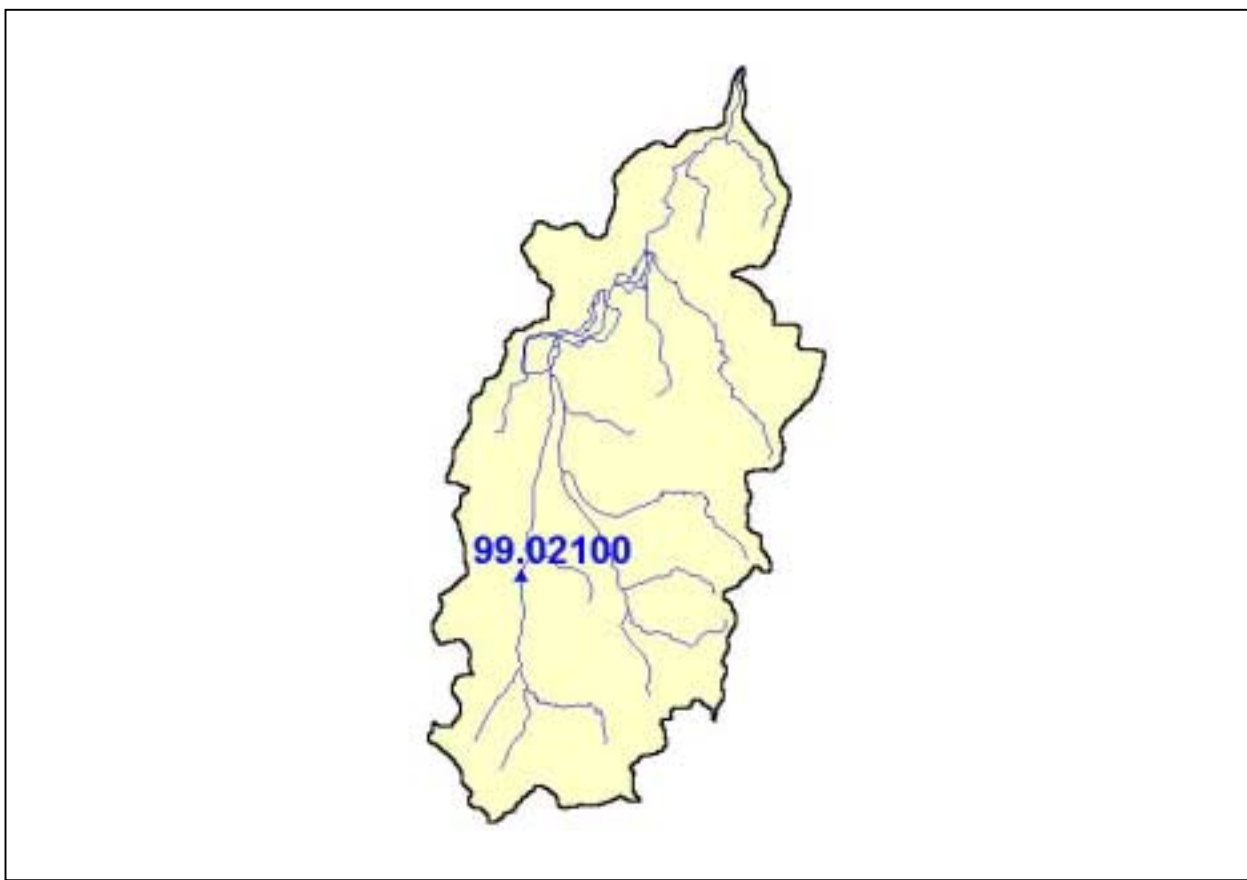
	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County						
Madison	77,982	84,942	4.11	3,206	3,492	8.9

**Table 4-81. Population Estimates in Subwatershed 08010205150.**

**4.2.O.ii.** Point Source Contributions.



**Figure 4-74. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205150.**  
More information is provided in SFFD-Appendix IV.



**Figure 4-75. Wetland Impact Site in Subwatershed 08010205150.** Impact Site Location is from ARAP database. More information is provided in SFFD-Appendix IV.

**4.2.B.iii.** Nonpoint Source Contributions.

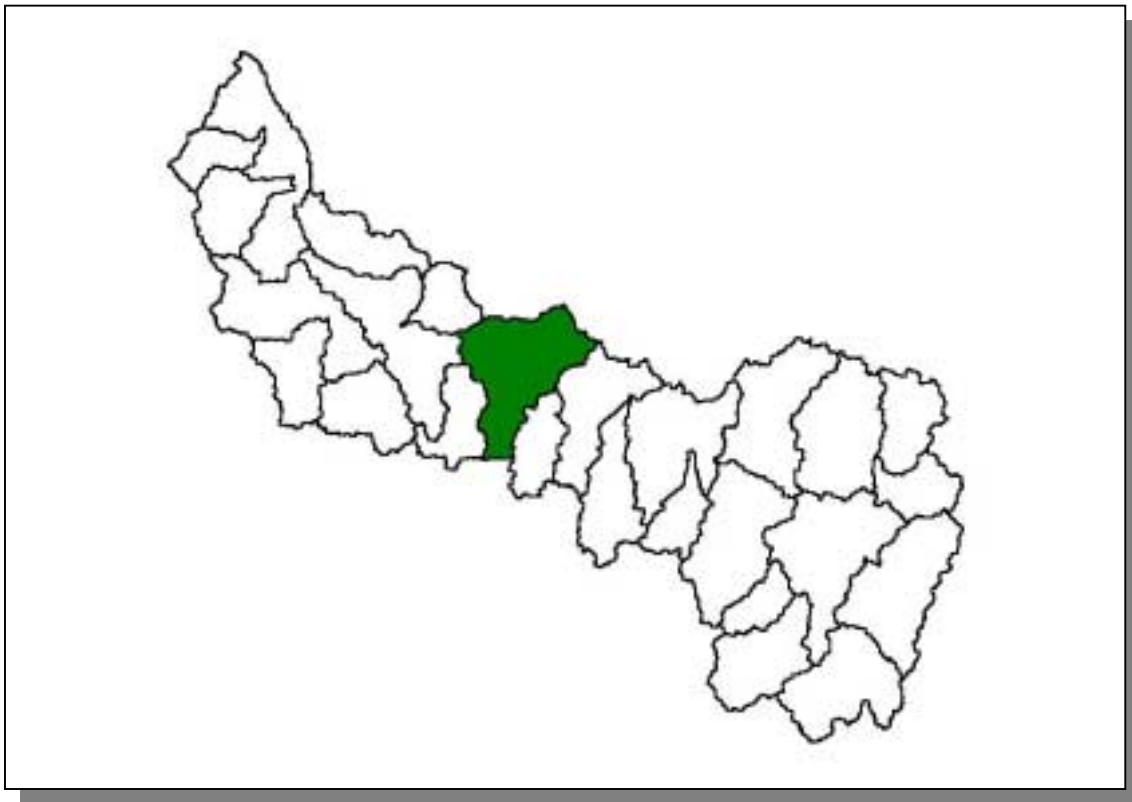
LIVESTOCK (COUNTS)	
Cattle	Hogs
533	437

**Table 4-82. Summary of Livestock Count Estimates in Subwatershed 08010205150.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

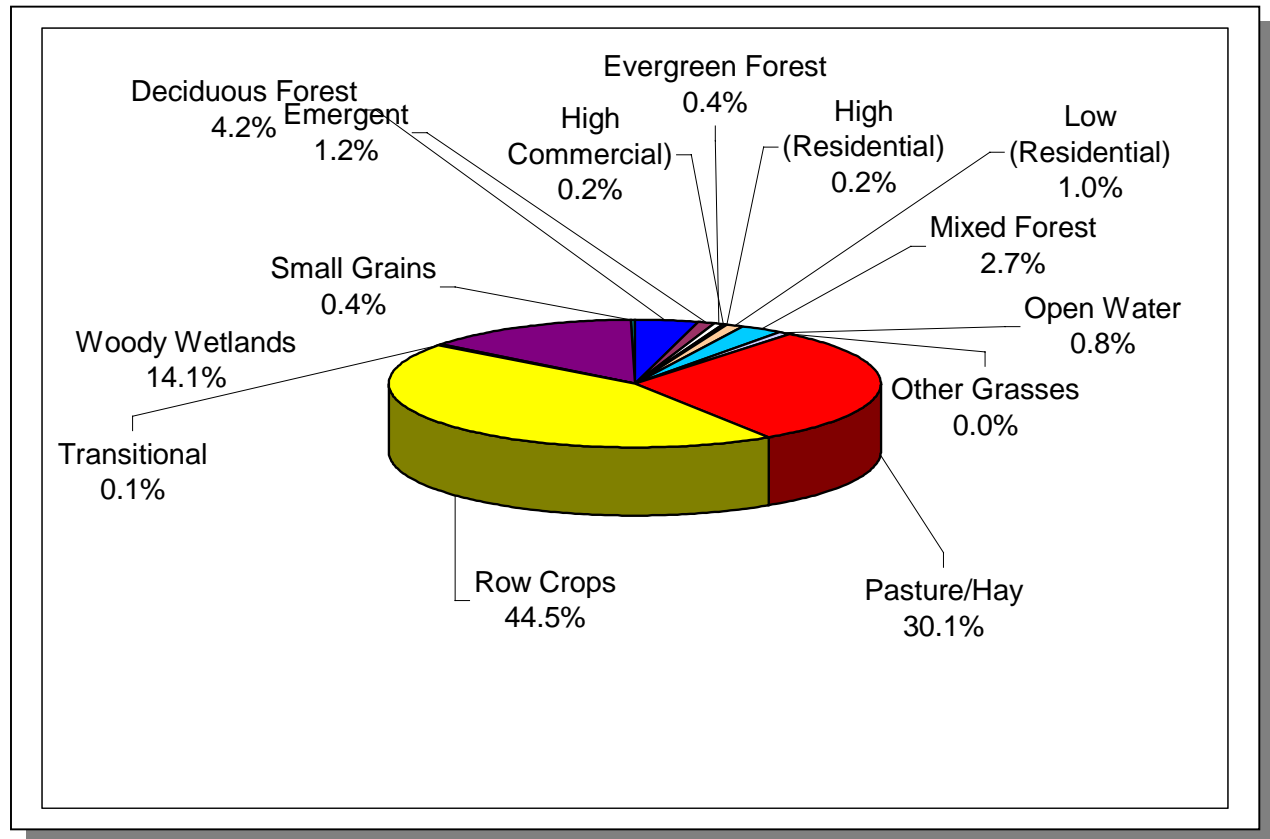
**Table 4-83. Annual Estimated Total Soil Loss in Subwatershed 08010205150.**

**4.2.P. 08010205160.**

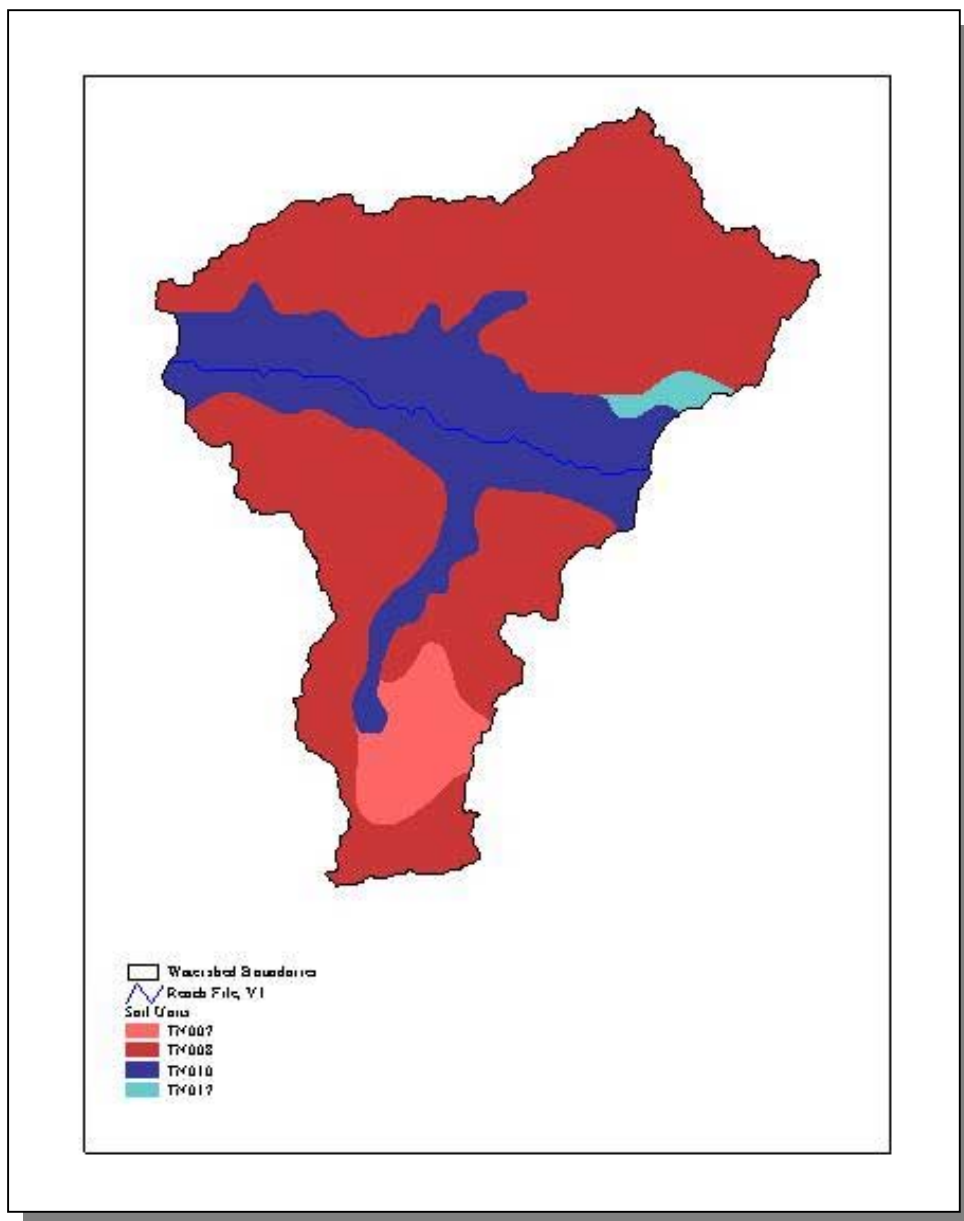


**Figure 4-76. Location of Subwatershed 08010205160.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.P.i. General Description.



**Figure 4-77. Land Use Distribution in Subwatershed 08010205160.** More information is provided in SFFD-Appendix IV.



**Figure 4-78. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205160.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	36.00	C	1.30	5.36	Silty Loam	0.48
TN008	11.00	C	1.38	5.20	Silty Loam	0.48
TN010	92.00	C	1.33	5.11	Silty Loam	0.44
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

**Table 4-84. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205160.** More details are provided in SFFD-Appendix IV.

	TOTAL COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Crockett	13,378	13,841	7.98	1,068	1,105	3.5
Haywood	19,437	19,709	2.33	452	459	1.5
Madison	77,982	84,942	5.07	3,951	4,303	8.9
<b>Totals</b>	<b>110,797</b>	<b>118,492</b>		<b>5,471</b>	<b>5,867</b>	<b>7.2</b>

*Table 4-85. Population Estimates in Subwatershed 08010205160.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Bells	Crockett	1,643	676	651	21	4

*Table 4-86. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205160.*



**Figure 4-79. Location of STORET Stations in Subwatershed 08010205160.** More information is provided in SFFD-Appendix IV.

**4.2.P.ii** Point Source Contributions.



**Figure 4-80. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205160.** More information, including the names of facilities, is provided in SFFD-Appendix IV.

**4.2.P.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There are three NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 06010208160:

- TN0022519 discharges to Panther Creek @ RM 6.9 and to a tributary of Panther Creek @ RM 6.9
- TN0023230 discharges to RM 0.6 of a tributary to Panther Creek @ RM 6.9
- TN0055786 discharges to a Wet Weather Conveyance to RM 2.9 of a Tributary to SFFD @ RM 35.8



**Figure 4-81. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 06010208160.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0022519	0	0	0	0.02	0.0126
TN0023230	0	0	0		0.007
TN0055786	0	0	0		1.1

**Table 4-87. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205160.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	NH <sub>3</sub>	FECAL	WET
TN0022519	X	X	X	

**Table 4-88. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205160.**

PERMIT #	TSS	pH	CBOD <sub>5</sub>	FECAL	DO	DURATION
TN0222519	9	3	23	10	92	07/95-08/96

**Table 4-89. Number of Permit Violations Based on DMR Data for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205160.**

#### 4.2.P.iii. Nonpoint Source Contributions.

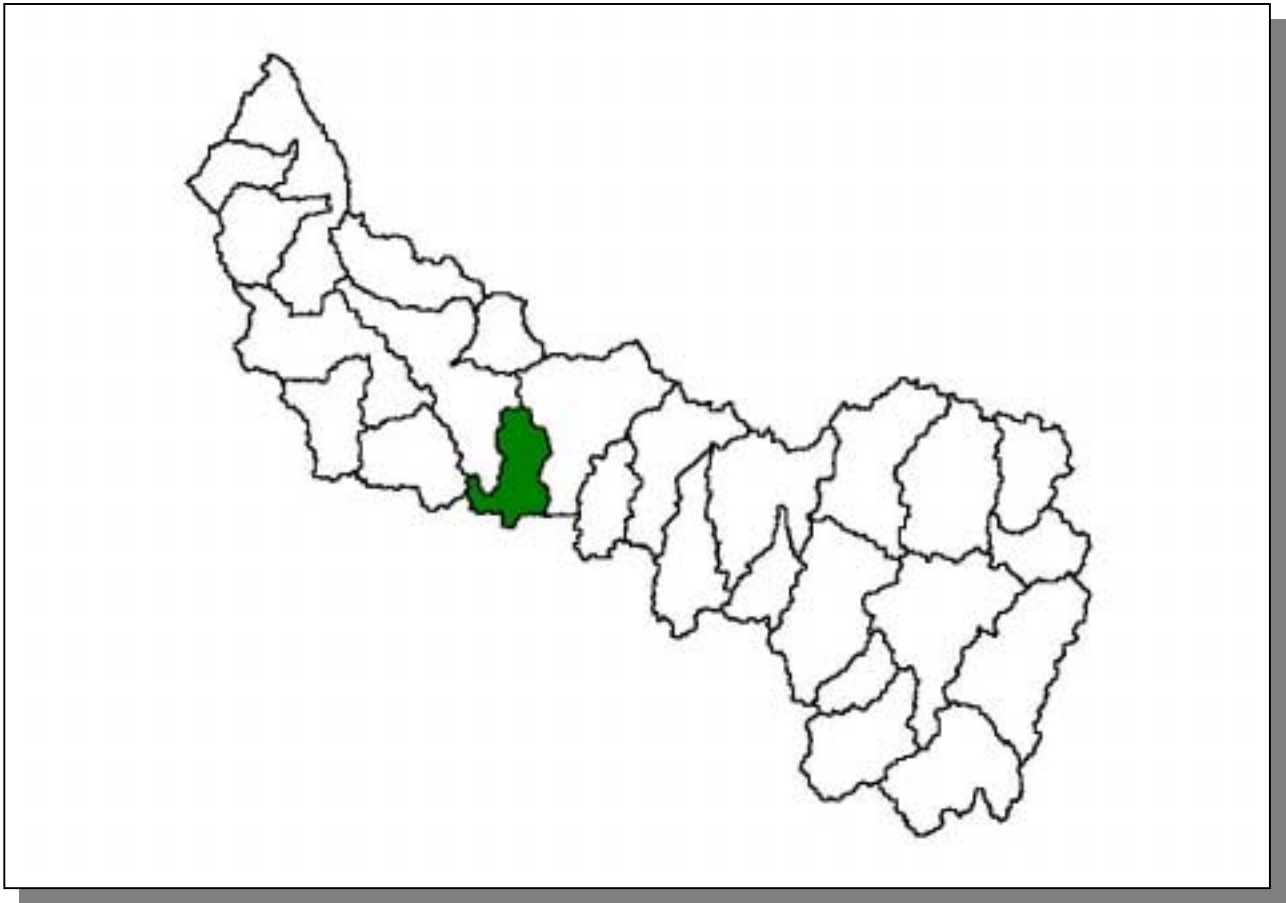
LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
521	<5	1,784	<5	769	5

**Table 4-90. Summary of Livestock Count Estimates in Subwatershed 08010205160.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	9.51
Soybeans (Row Crops)	10.23
Cotton (Row Crops)	12.99
Grass (Hayland)	1.30
Grass (Pastureland)	0.57
Grass, Forbs, Legumes (Mixed Pasture)	1.67
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.42
Other Land in Farms	0.12
Conservation Reserve Program Land	0.61
Forest Land (Grazed)	0.00
Non Agricultural Land Use	0.00
Sorghum (Row Crops)	4.02
Other Vegetable and Truck Crops	6.70
All Other Close Grown Cropland	1.27
Other Cropland not Planted	1.81
Fruit (Horticultural)	0.76
Wheat (Close Grown Cropland)	3.53

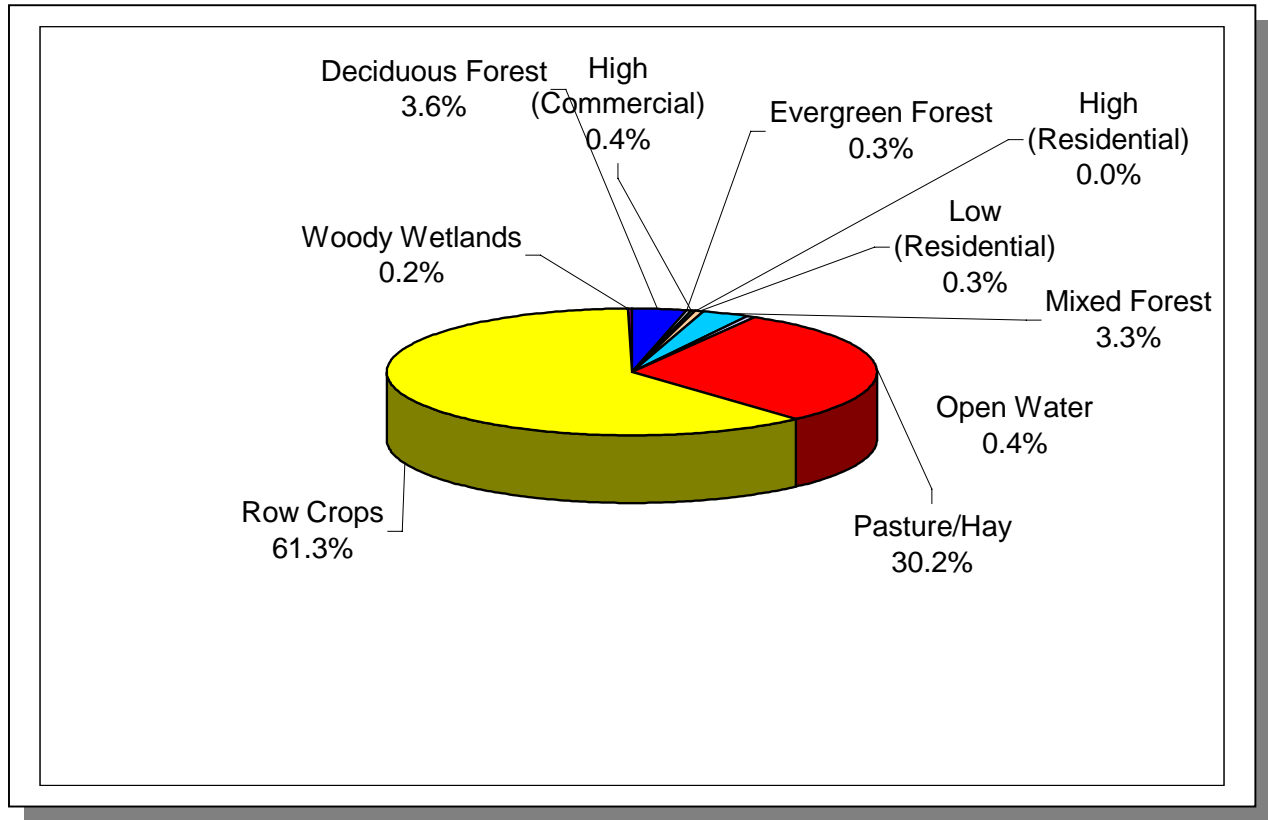
**Table 4-91. Annual Estimated Total Soil Loss in Subwatershed 08010205160.**

4.2.Q. 08010205170

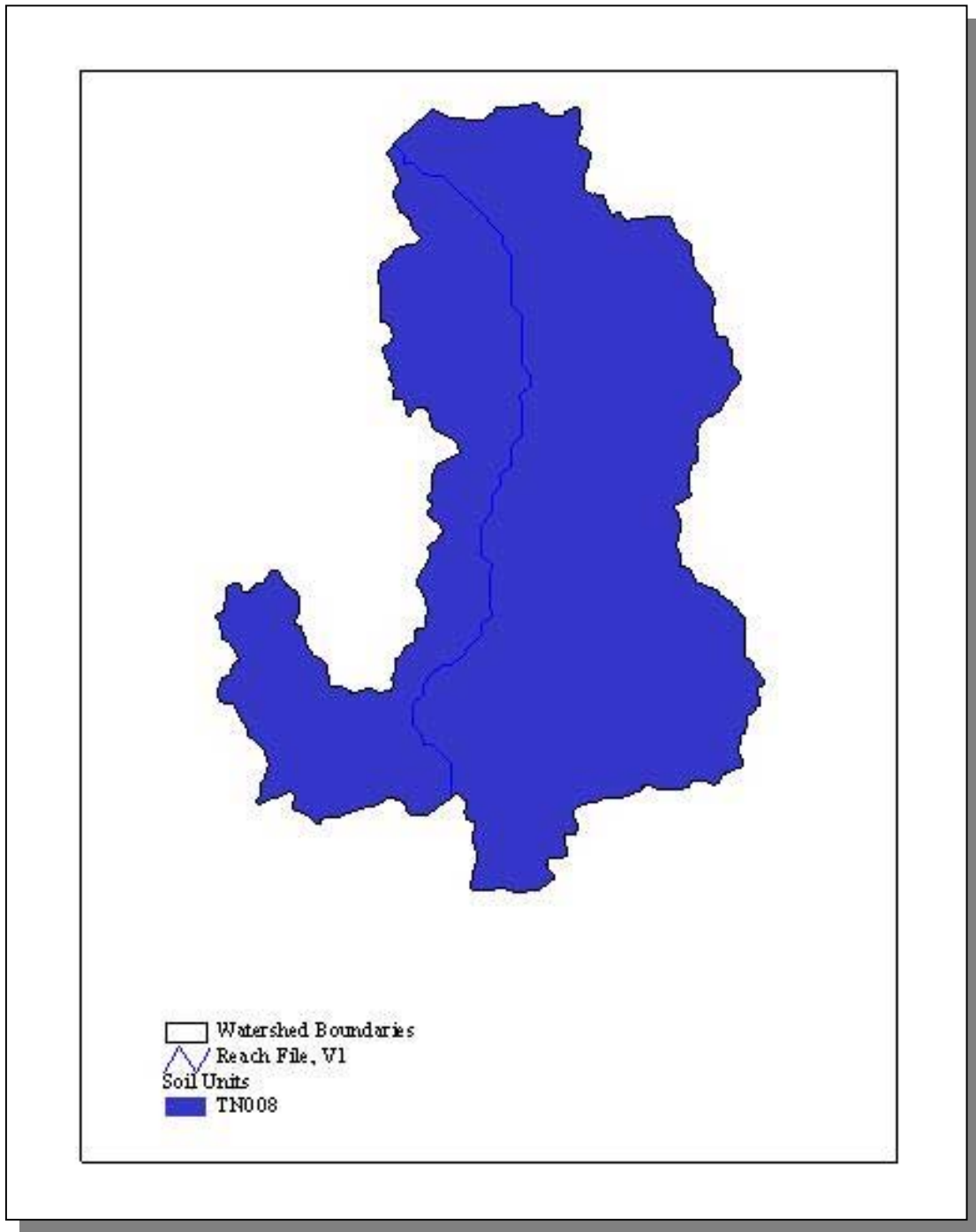


**Figure 4-82. Location of Subwatershed 08010205170.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.Q.i. General Description.



**Figure 4-83. Land Use Distribution in Subwatershed 08010205170.** More information is provided in SFFD-Appendix IV.



**Figure 4-84. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205170.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	11.00	C	1.38	5.20	Silty Loam	0.48

**Table 4-92. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205170.** More information is provided in SFFD-Appendix IV.

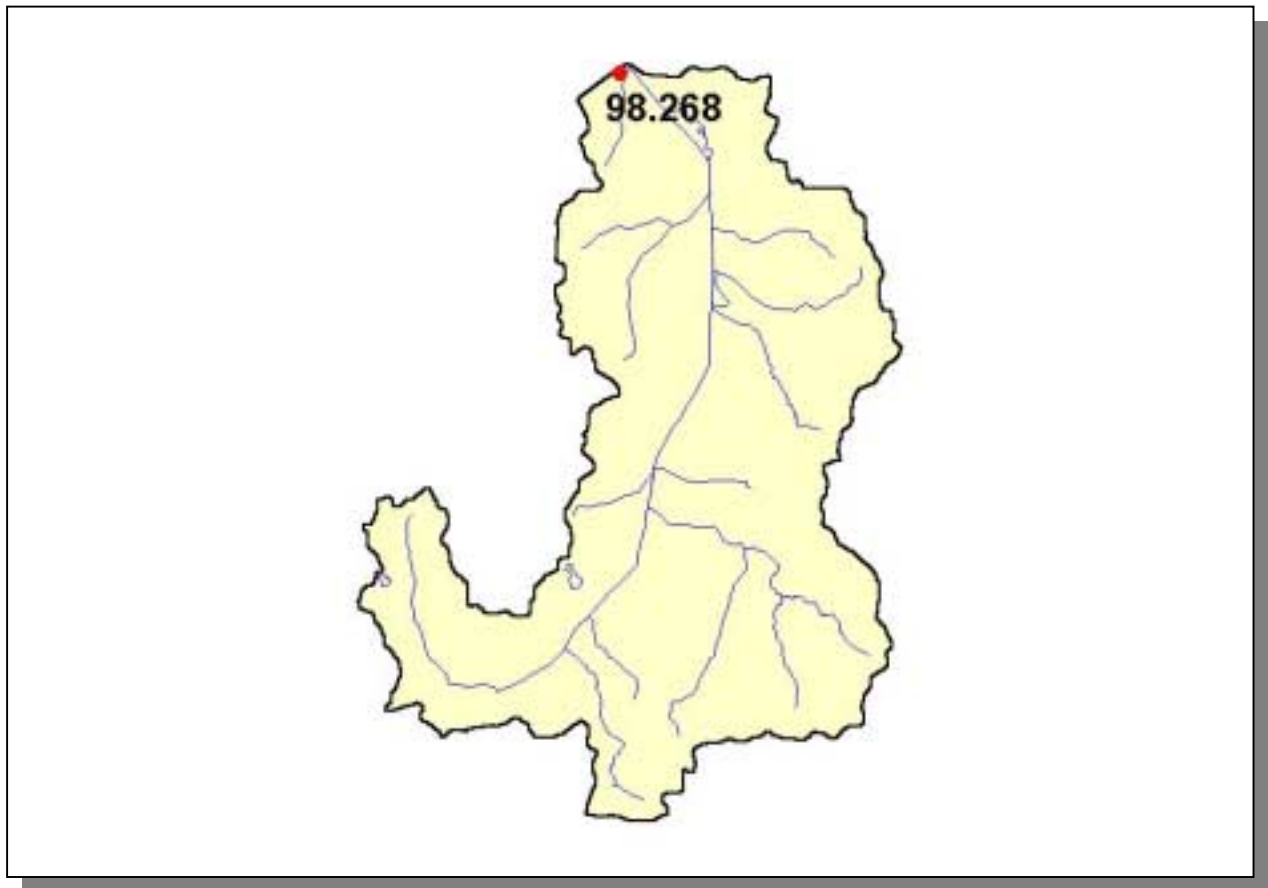
	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Haywood	19,437	19,709	4.57	887	900	1.5

**Table 4-93. Population Estimates in Subwatershed 08010205170.**

**4.2.Q.ii. Point Source Contributions.**



**Figure 4-85. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205170.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-86. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205170.**  
More information is provided in SFFD-Appendix IV.

**4.2 Q.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205170:

- TN0026247 discharges to Old Channel of the South Fork Forked Deer River



**Figure 4-87. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205170.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN
TN0026247	0	0	0	2.75

**Table 4-94. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	WET
TN0026247	X

**Table 4-95. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.**

**4.2.Q.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Hogs	Chickens	Sheep
268	485	<5	136	<5	<5

**Table 4-96. Summary of Livestock Count Estimates in Subwatershed 08010205170.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

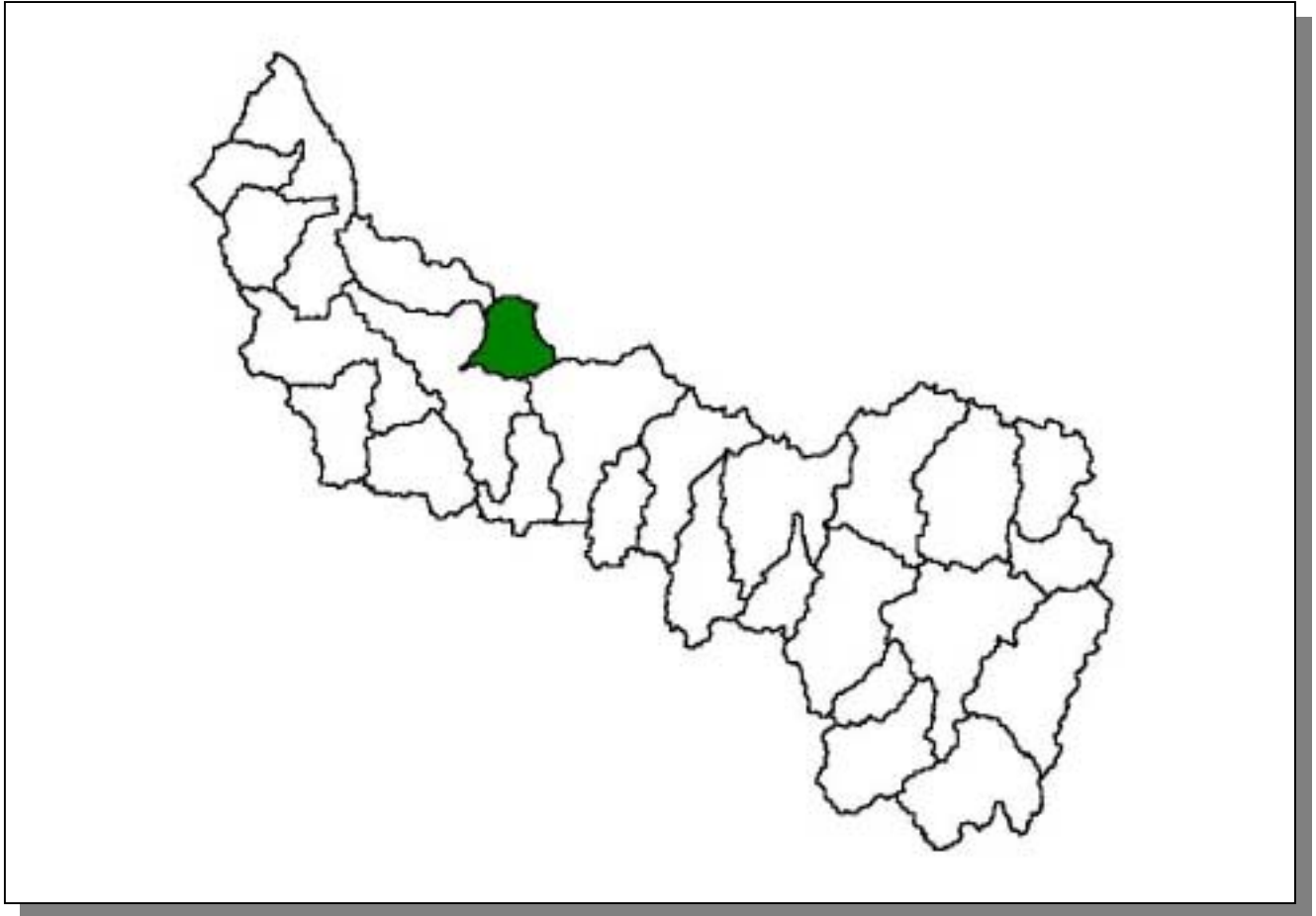
	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

**Table 4-97. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205170.**

CROP	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Corn (Row Crops)	7.47
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
Cotton (Row Crops)	12.50
Other Vegetable and Truck Crops	4.20
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Grass (Pastureland)	0.70
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.61
Conservation Reserve Program Land	0.91
Fruit (Horticultural)	0.76
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Other Land in Farms	0.16

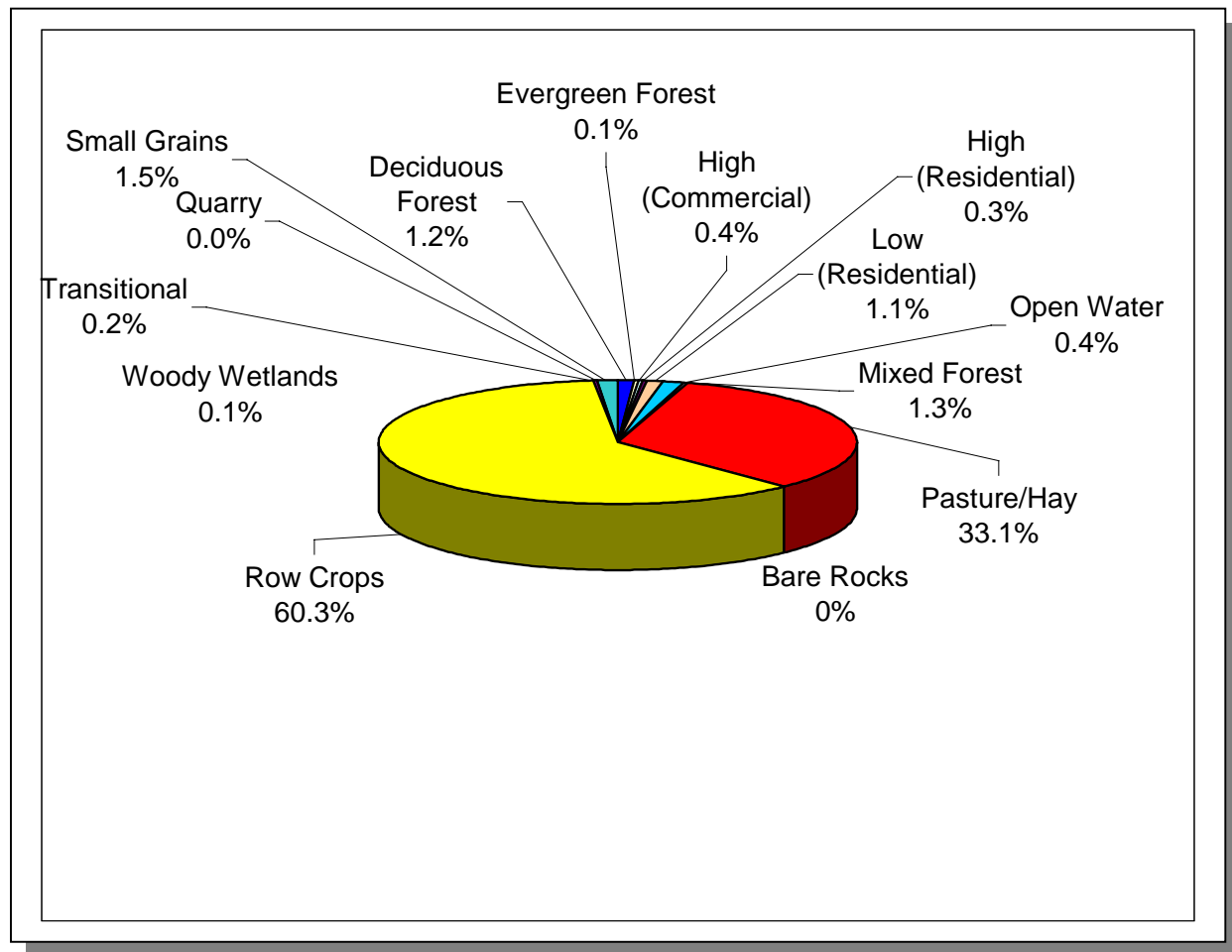
**Table 4-98. Annual Estimated Total Soil Loss in Subwatershed 08010205170.**

4.2.R. 08010205180.

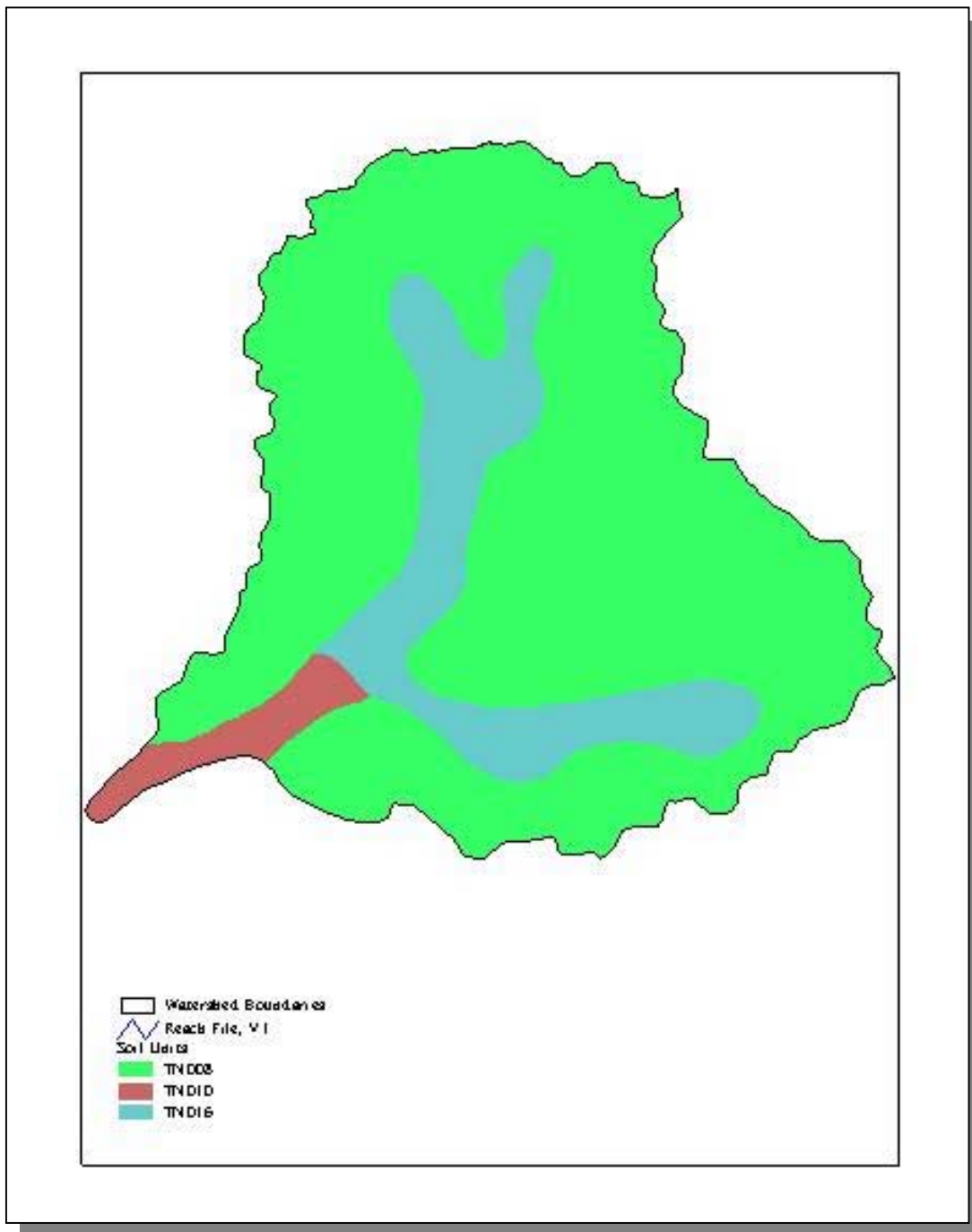


**Figure 4-88. Location of Subwatershed 08010205180.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.R.i.** General Description.



**Figure 4-89. Land Use Distribution in Subwatershed 08010205180.** More information is provided in SFFD-Appendix IV.



**Figure 4-90. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205180.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

**Table 4-99. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205180.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Crockett	13,378	13,841	5.97	798	826	3.5
Haywood	19,437	19,709	0.73	142	144	1.4
<b>Totals</b>	<b>32,815</b>	<b>33,550</b>		<b>940</b>	<b>970</b>	<b>3.2</b>

*Table 4-100. Population Estimates in Subwatershed 08010205180.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Alamo	Crockett	2,400	1,044	1,001	43	0
Bells	Crockett	1,643	676	651	21	4
<b>Totals</b>		<b>4,043</b>	<b>1,720</b>	<b>1,652</b>	<b>64</b>	<b>4</b>

*Table 4-101. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205180.*

**4.2.R.ii.** Point Source Contributions.



**Figure 4-91. Location of ARAP Sites (Individual Permits) in Subwatershed 06010208030.**  
More information is provided in SFFD-Appendix IV.

**4.2.R.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Hogs	Chickens	Sheep
344	602	<5	26	<5	<5

**Table 4-102. Summary of Livestock Count Estimates in Subwatershed 08010205180.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

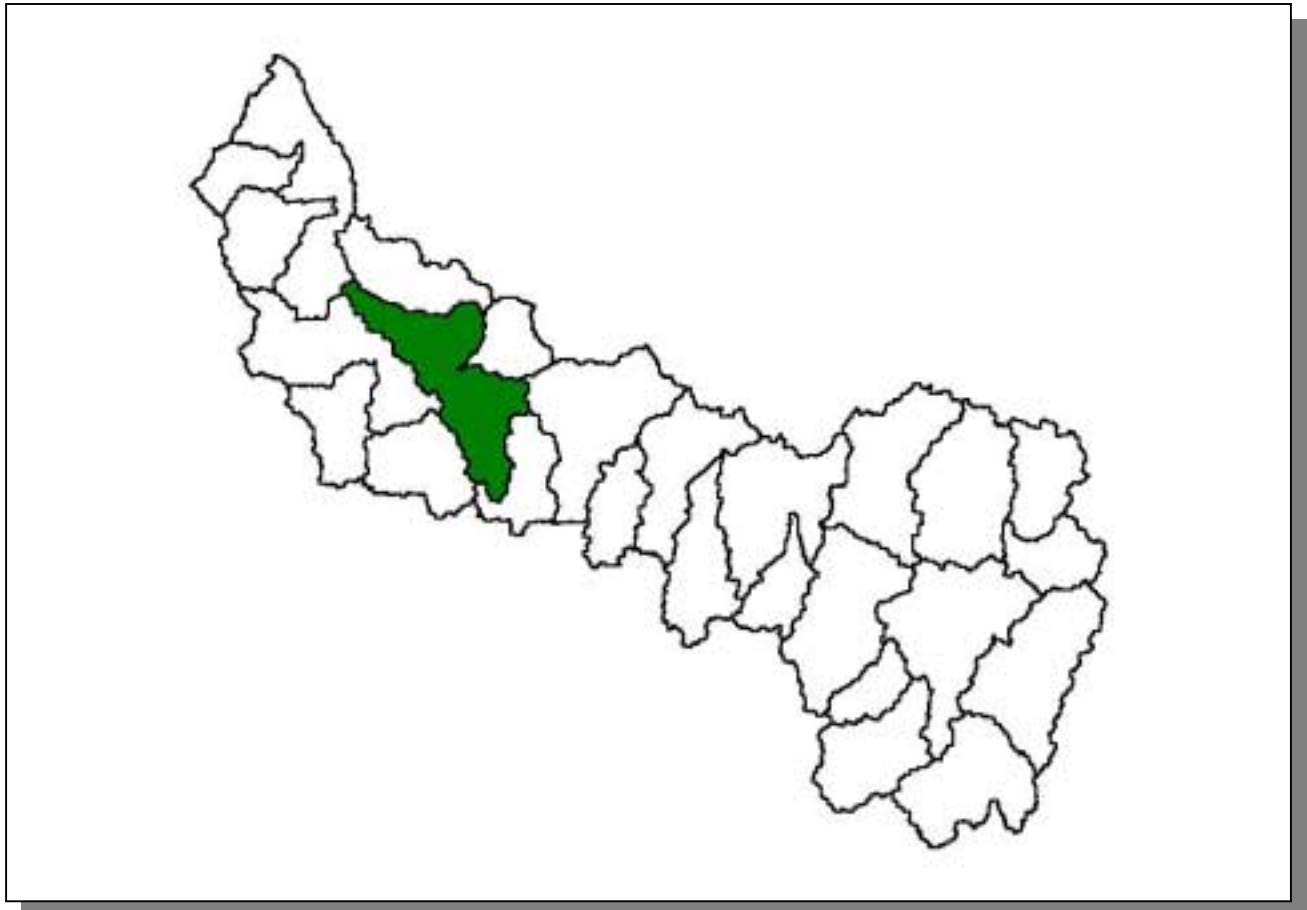
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Crockett	15.1	15.1	0.3	1.6
Haywood	71.2	71.2	1.7	6.4
<b>Totals</b>	<b>86.3</b>	<b>86.3</b>	<b>2.0</b>	<b>8.0</b>

**Table 4-103. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205180.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	4.29
Soybeans (Row Crops)	12.84
Cotton (Row Crops)	13.16
Grass (Hayland)	1.00
Grass (Pastureland)	0.70
Grass, Forbs, Legumes, (Mixed Pasture)	0.22
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.32
Other Land in Farms	0.15
Conservation Reserve Program Land	0.68
Forest Land (Grazed)	0.00
Non Agricultural Land Use	0.00
Sorghum (Row Crops)	4.02
Other Vegetable and Truck Crops	4.20
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Fruit (Horticultural)	0.76

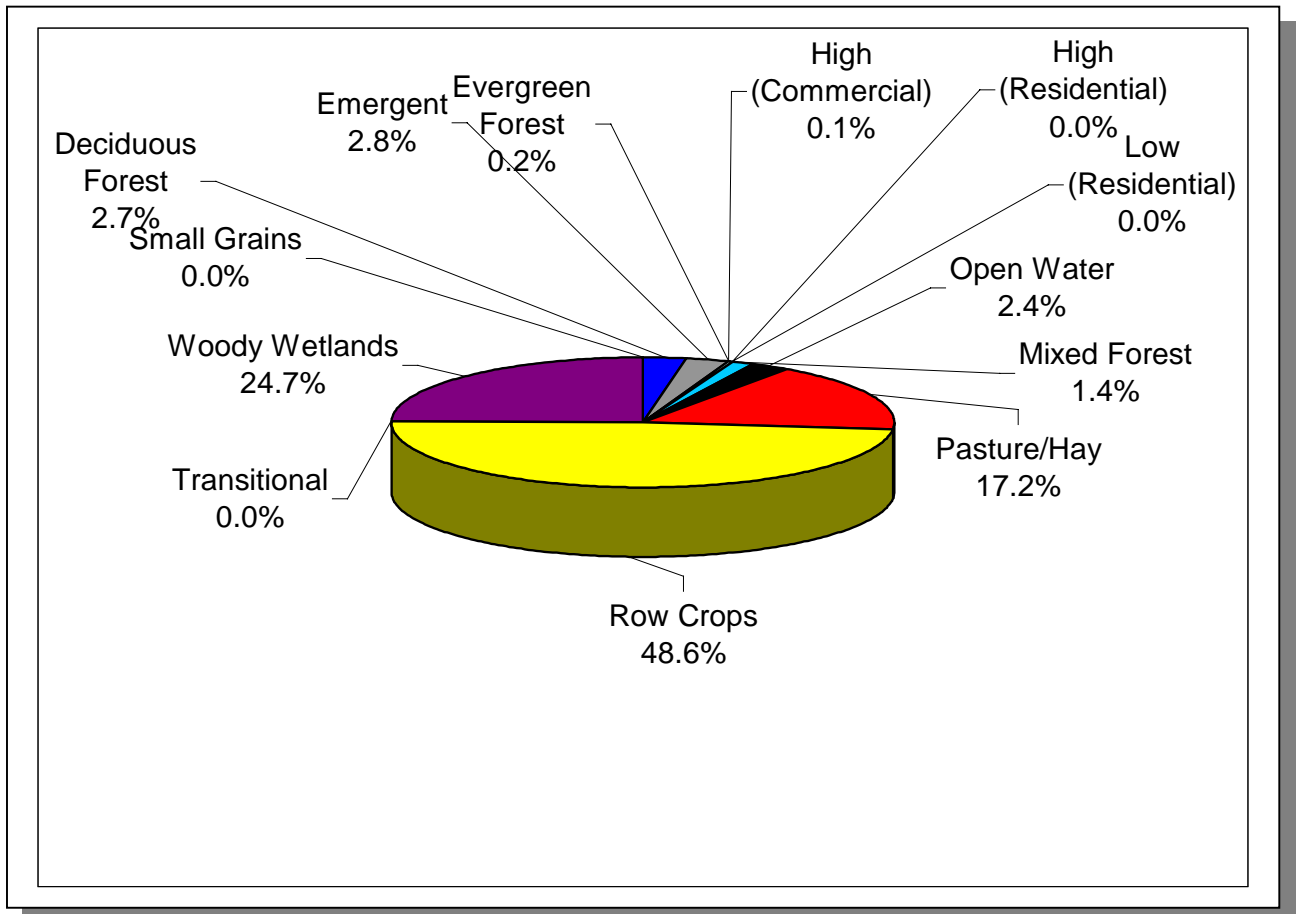
**Table 4-104. Annual Estimated Total Soil Loss in Subwatershed 08010205180.**

4.2.S. 08010205190.

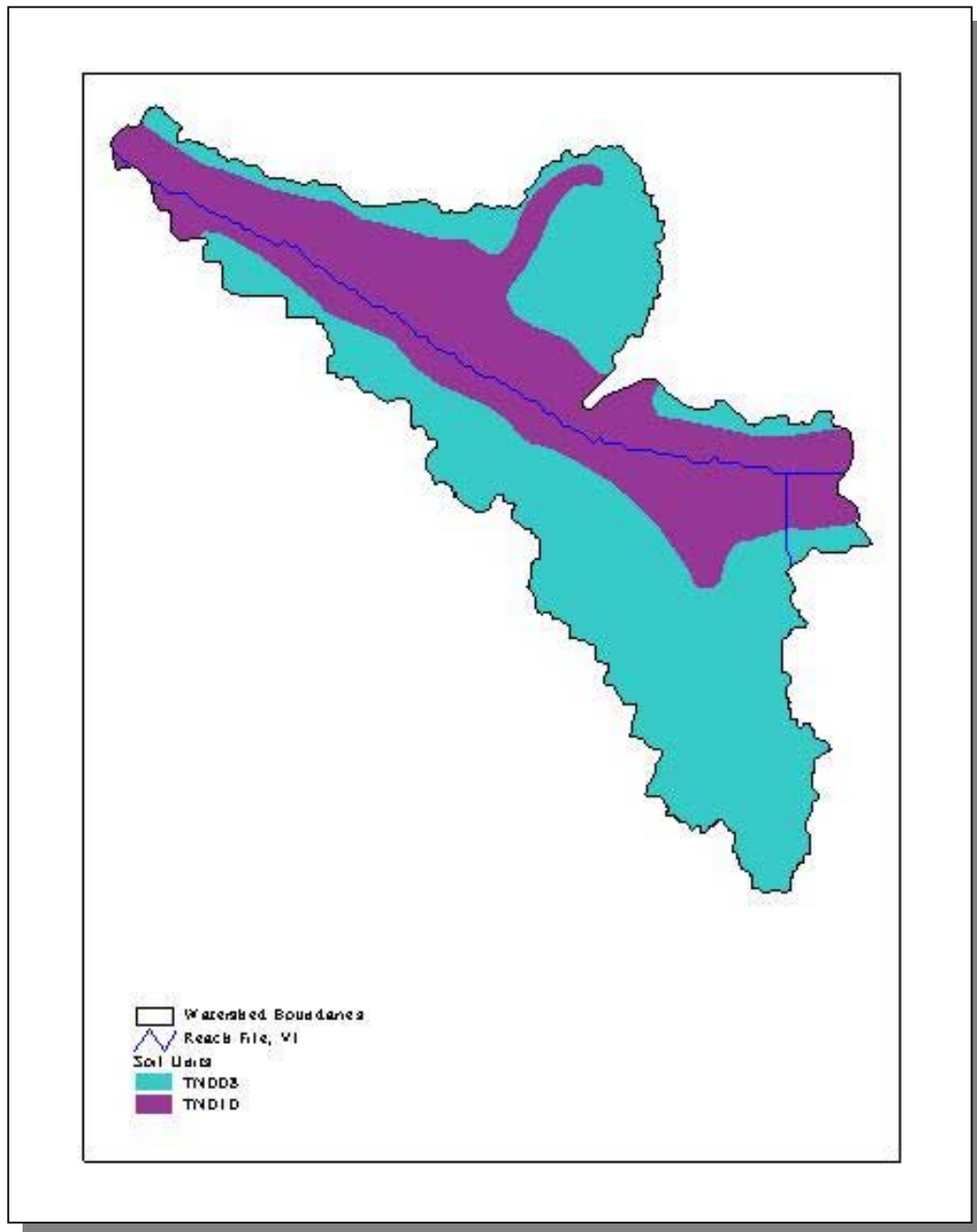


**Figure 4-92. Location of Subwatershed 08010205190.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.S.i. General Description.



**Figure 4-93. Land Use Distribution in Subwatershed 08010205190.** More information is provided in SFFD-Appendix IV.



**Figure 4-94. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205190.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

**Table 4-105. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205190.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County						
Crockett	13,378	13,841	3.51	469	485	3.4
Haywood	19,437	19,709	9.78	1,902	1,928	1.4
<b>Totals</b>	<b>32,815</b>	<b>33,550</b>		<b>2,371</b>	<b>2,413</b>	<b>1.8</b>

*Table 4-106. Population Estimates in Subwatershed 008010205190.*



*Figure 4-95. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205190. More information is provided in SFFD-Appendix IV.*

**4.2.S.ii.** Point Source Contributions.



**Figure 4-96. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205190.**  
More information is provided in SFFD-Appendix IV.

**4.2 S.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205190:

- TN0065218 discharges to South Fork Forked Deer River @ RM 27.1



**Figure 4-97. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205190.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0065218	95.55	0	0	0.15	0.0385

**Table 4-107. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205190.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	FECAL
TN0065218	X	X

**Table 4-108. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205190.**

PERMIT #	TSS	pH	CBOD <sub>5</sub>	FECAL	DO	TRC	DURATION
TN65218	1	13	1	1	1	4	02/93-7/99

**Table 4-109. Number of Permit Violations Based on DMR Data for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205190.**

**4.2.S.iii. Nonpoint Source Contributions.**

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
417	747	<5	<5	168	<5

**Table 4-110. Summary of Livestock Count Estimates in Subwatershed 08010205190.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

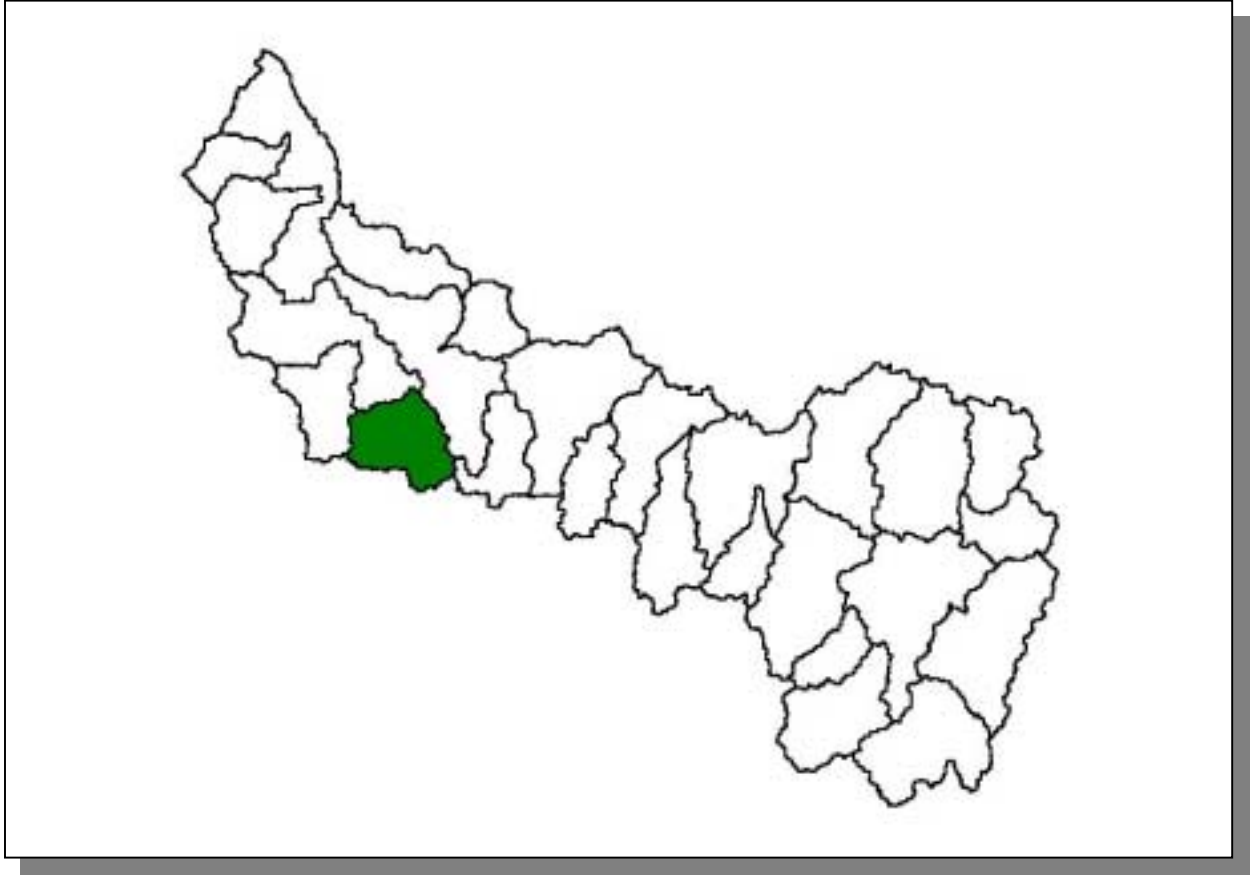
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Crockett	15.1	15.1	0.3	1.6
Haywood	71.2	71.2	1.7	6.4
<b>Totals</b>	<b>86.3</b>	<b>86.3</b>	<b>2.0</b>	<b>8.0</b>

**Table 4-111. Forest Acreage and Average Annual removal rates (1987-1994) in Subwatershed 08010205190.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	6.89
Soybeans (Row Crops)	8.15
Cotton (Row Crops)	12.62
Grass (Hayland)	3.20
Grass (Pastureland)	0.70
Grass, Forbs, Legumes, (Mixed Pasture)	0.29
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.56
Other Land in Farms	0.16
Conservation Reserve Program Land	0.87
Forest Land (Grazed)	0.00
Non Agricultural Land Use	0.00
Sorghum (Row Crops)	4.02
Other Vegetable and Truck Crops	4.20
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Fruit (Horticultural)	0.76

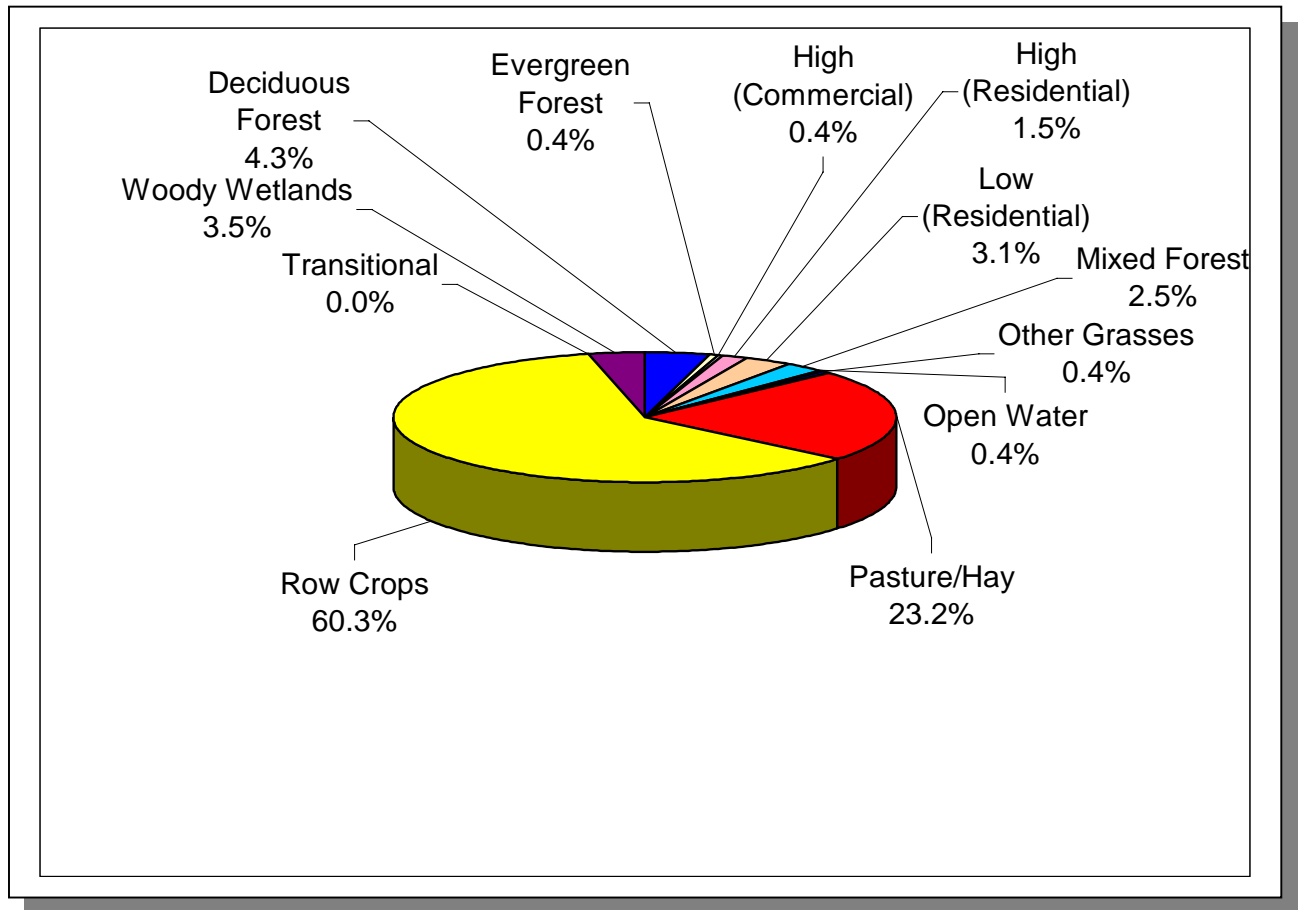
**Table 4-112. Annual Soil Loss in Subwatershed 08010205190.**

4.2.T. 08010205200.

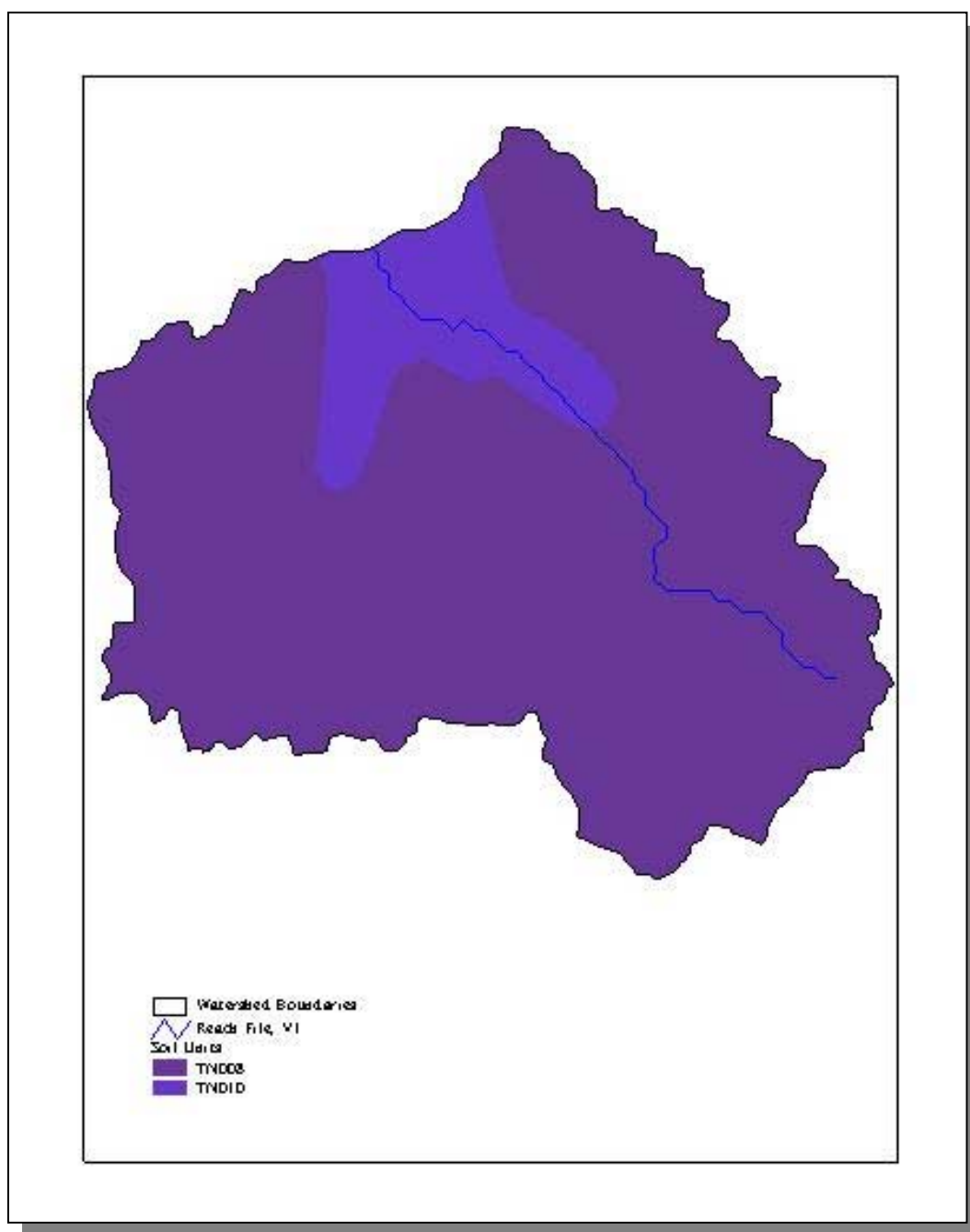


**Figure 4-98. Location of Subwatershed 08010205200.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.T.i. General Description.



**Figure 4-99. Land Use Distribution in Subwatershed 08010205200.** More information is provided in SFFD-Appendix IV.



**Figure 4-100. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205200.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATE SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

**Table 4-113. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205200.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Haywood	19,437	19,709	6.12	1,189	1,206	1.4

*Table 4-114. Population estimates in Subwatershed 08010205200.*

				Number of Housing Units		
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Brownsville	Haywood	10,019	3,848	3,761	64	23

*Table 4-115. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205200.*

#### 4.2.T.ii. Point Source Contributions.



*Figure 4-101. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205200. More information, including the names of facilities, is provided in SFFD-Appendix IV.*

**4.2 T.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There are two NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205200:

- TN0041921 discharges to an impoundment pond to a tributary @ RM 2.6 to Little Nixon Creek @ RM 4.1
- TN0041939 discharges to a tributary to Little Nixon Creek @ RM 4.1



**Figure 4-102. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205200.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QLTA
TN0041921	0	0	0	0.058
TN0041939	0	0	0	1.373

**Table 4-116. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205200.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	METAL	WET
TN0041921			X
TN0041939	X	X	

**Table 4-117. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205200.**

PERMIT #	PHTHALATE ESTERS
TN0041939	X

**Table 4-118. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 08010205200.**

PERMIT #	TSS	CBOD <sub>5</sub>	PHTHALATE ESTERS	BYPASS	DURATION
TN41939	5	3	11	13	01/90-07/99

**Table 4-119. Number of Permit Violations Based on DMR Data for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205200.**

**4.2.T.iii. Nonpoint Source Contributions.**

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Chickens	Hogs	Milk Cow	Sheep
276	499	<5	140	<5	<5

**Table 4-120. Summary of Livestock Count Estimates in Subwatershed 08010205200.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

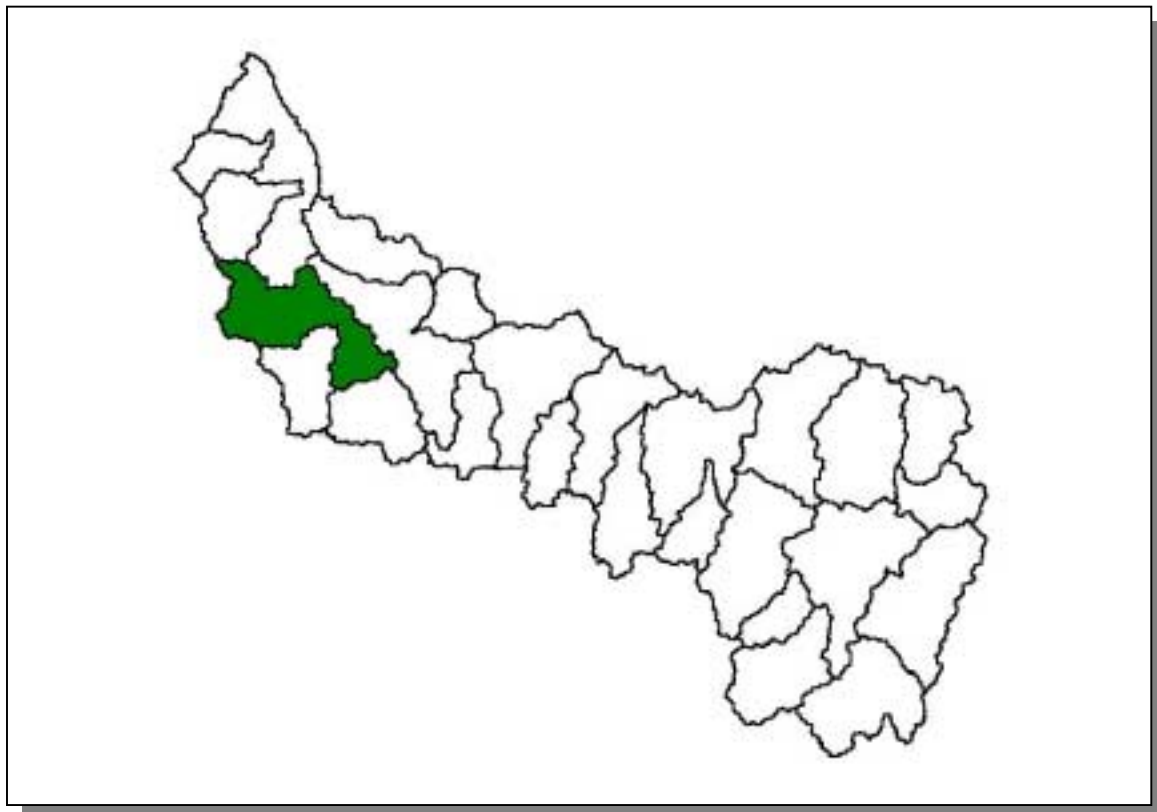
	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

**Table 4-121. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 08010205200.**

CROP	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Corn (Row Crops)	7.47
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
Cotton (Row Crops)	12.50
Other Vegetable and Truck Crops	4.20
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Grass (Pastureland)	0.70
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.61
Conservation Reserve Program Land	0.91
Fruit (Horticultural)	0.76
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Other Land in Farms (Other Far	0.16

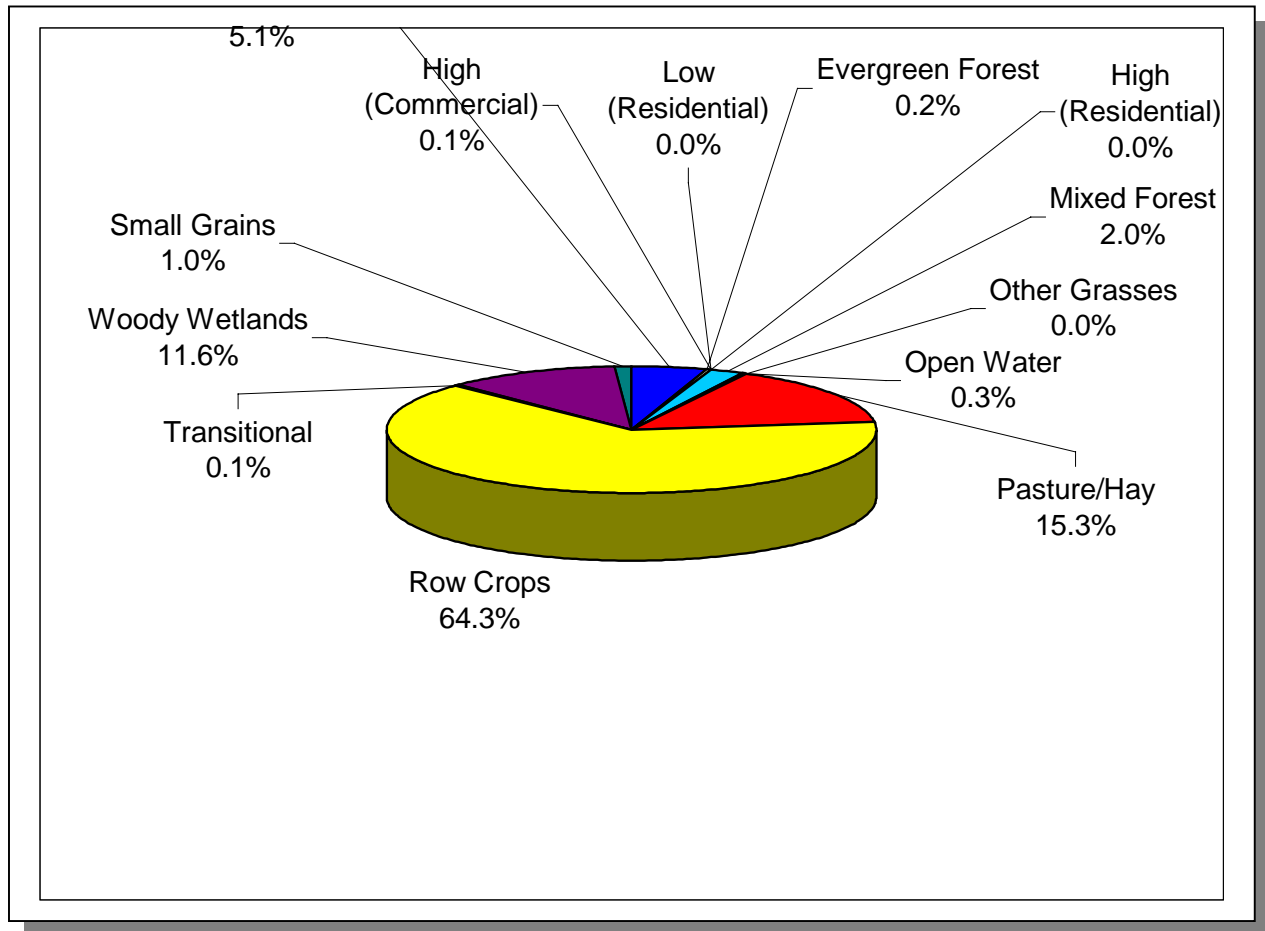
**Table 4-122. Annual Estimated Soil Loss in Subwatershed 08010205200.**

#### **4.2.U. 08010205210**

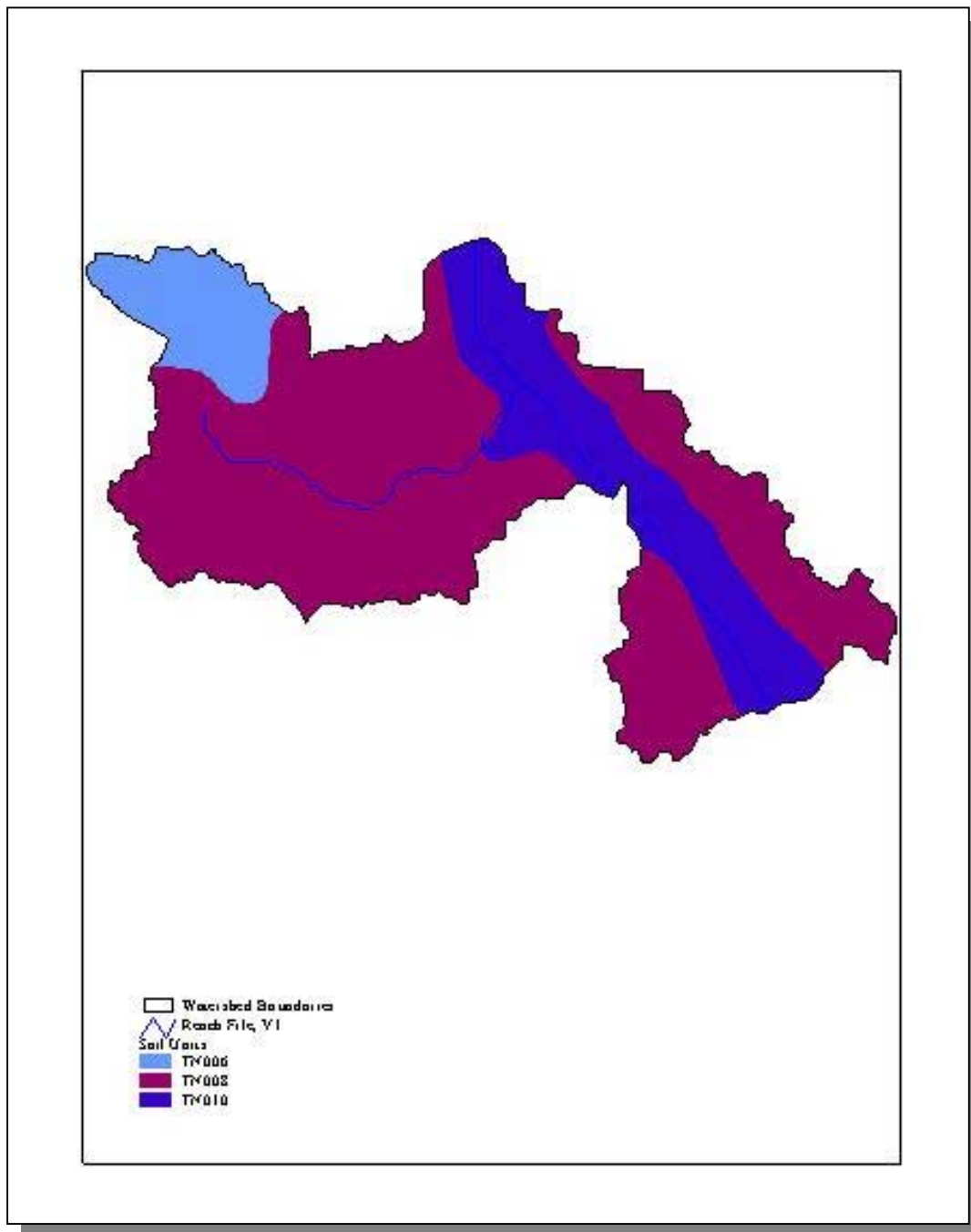


**Figure 4-103. Location of Subwatershed 08010205210.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.U.i.** General Description.



**Figure 4-104. Land Use Distribution in Subwatershed 08010205210.** More information is provided in SFFD-Appendix IV.



**Figure 4-105. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205210.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATE SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

**Table 4-123. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205210.** More information is provided in SFFD-Appendix IV.

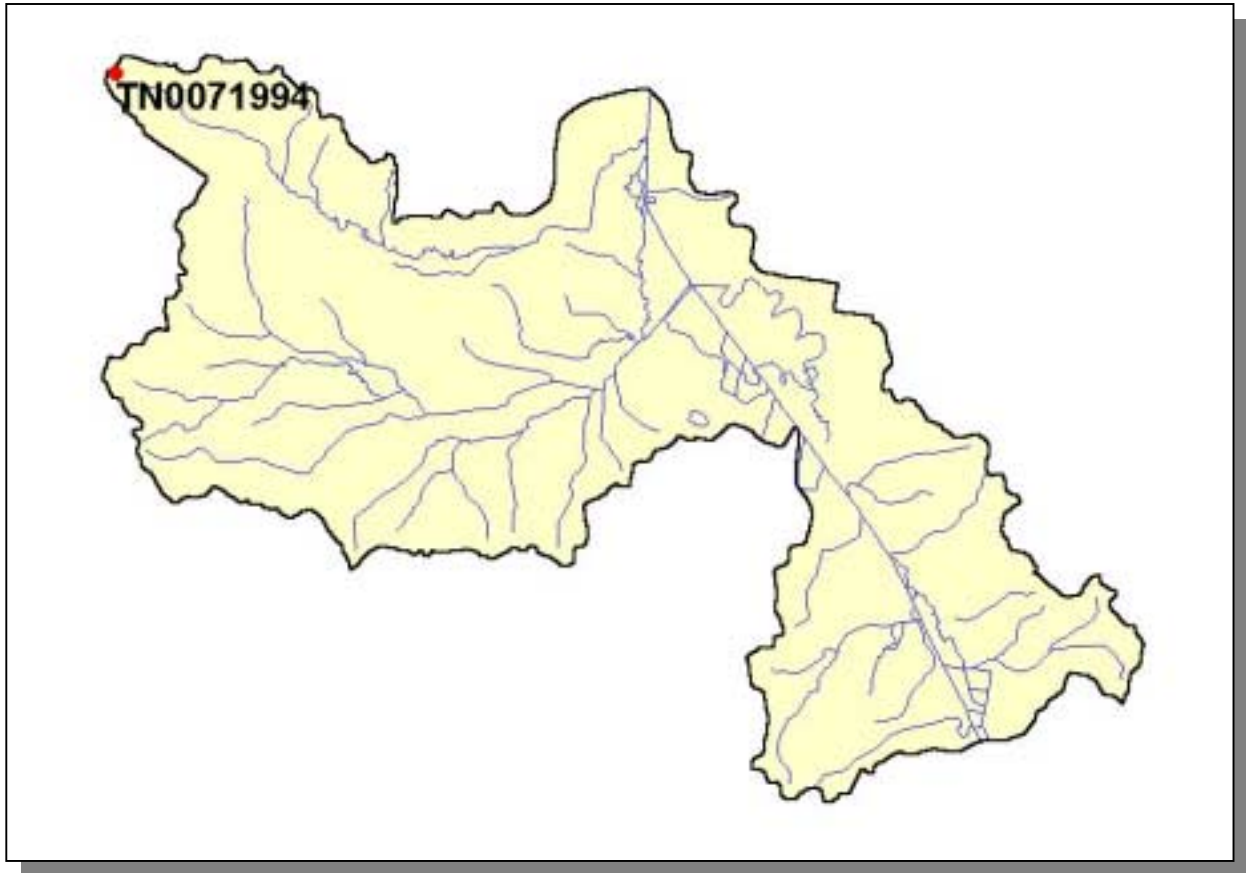
County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Haywood	19,437	19,709	9.9	1,923	1,950	1.4
Lauderdale	23,491	24,128	0.49	115	118	2.6
<b>Totals</b>	<b>42,928</b>	<b>43,837</b>		<b>2,038</b>	<b>2,068</b>	<b>1.5</b>

*Table 4-124. Population Estimates in Subwatershed 08010205210.*



*Figure 4-106. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010205210. More information is provided in SFFD-Appendix IV.*

4.2.U.ii. Point Source Contributions.



**Figure 4-107. Location of Active Mining Sites in Subwatershed 08010205210.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-108. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205210.**  
More information is provided in SFFD-Appendix IV.

**4.2.U.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Chickens	Hogs	Milk Cow	Sheep
291	613	<5	171	<5	<5

**Table 40-125. Summary of Livestock Count Estimates in Subwatershed 08010205210.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

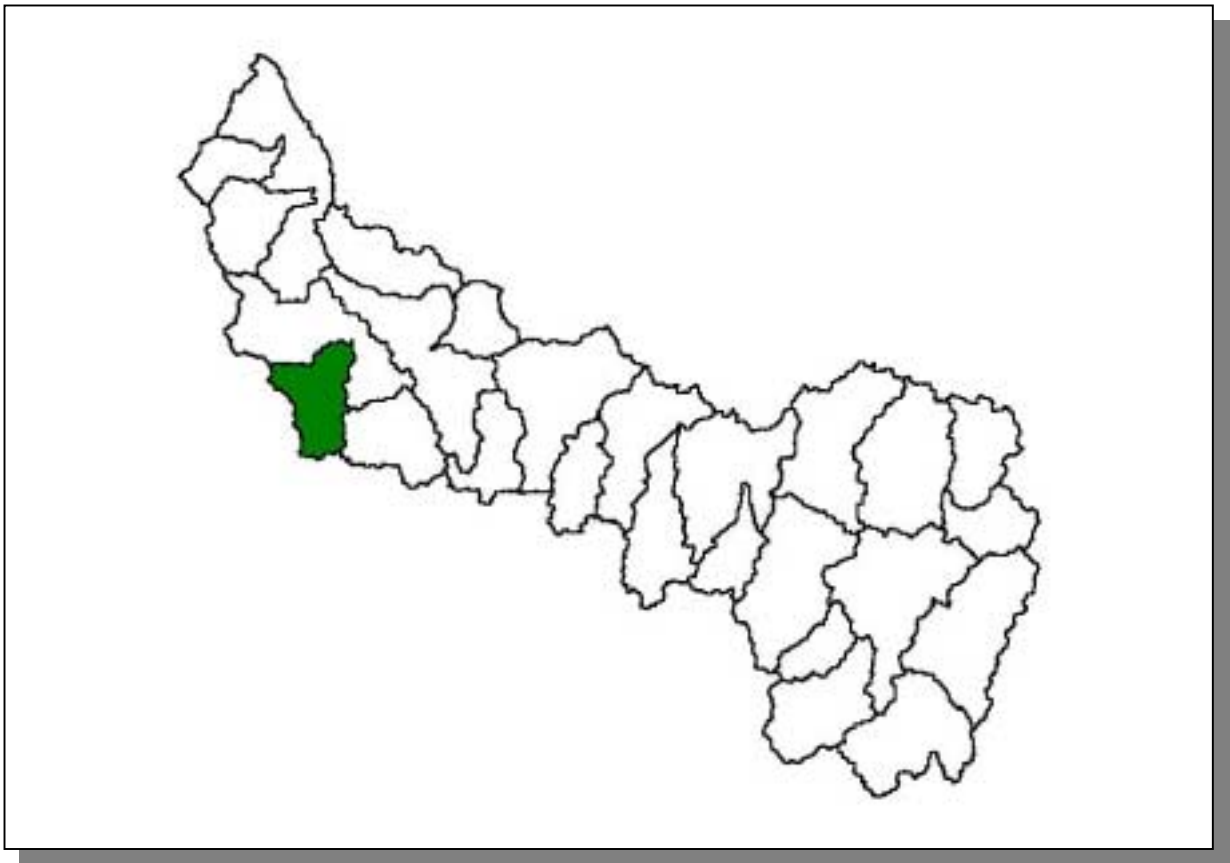
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4
Lauderdale	90	88.8	0.4	1.2
<b>Total</b>	<b>161.2</b>	<b>160.0</b>	<b>2.1</b>	<b>7.6</b>

**Table 4-126. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205210.**

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Corn (Row Crops)	7.79
Soybeans (Row Crops)	7.38
Cotton (Row Crops)	12.54
Grass (Pastureland)	0.77
Grass, Forbs, Legumes (Mixed Pasture)	0.39
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.59
Other Land in Farms	0.16
Conservation Reserve Program Land	0.95
Other Vegetable and Truck Crops	4.19
Wheat (Close Grown Cropland)	9.27
Grass (Hayland)	3.55
Legume (Hayland)	0.65
Legume Grass (Hayland)	0.58
Summer Fallow (Other Cropland)	8.70
Sorghum (Row Crops)	4.02
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Fruit (Horticultural)	0.76

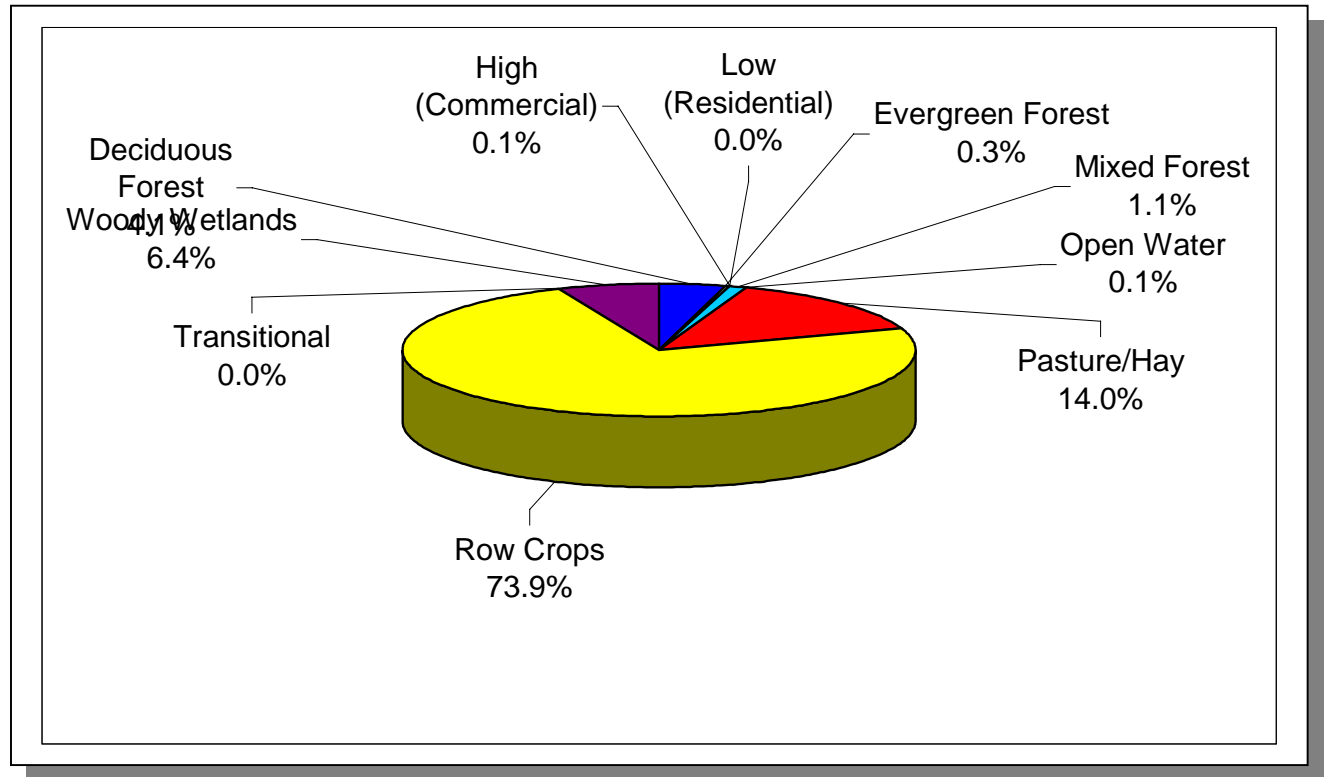
**Table 4-127. Annual Estimated Total Soil Loss in Subwatershed 08010205210.**

4.2.V. 08010205220.

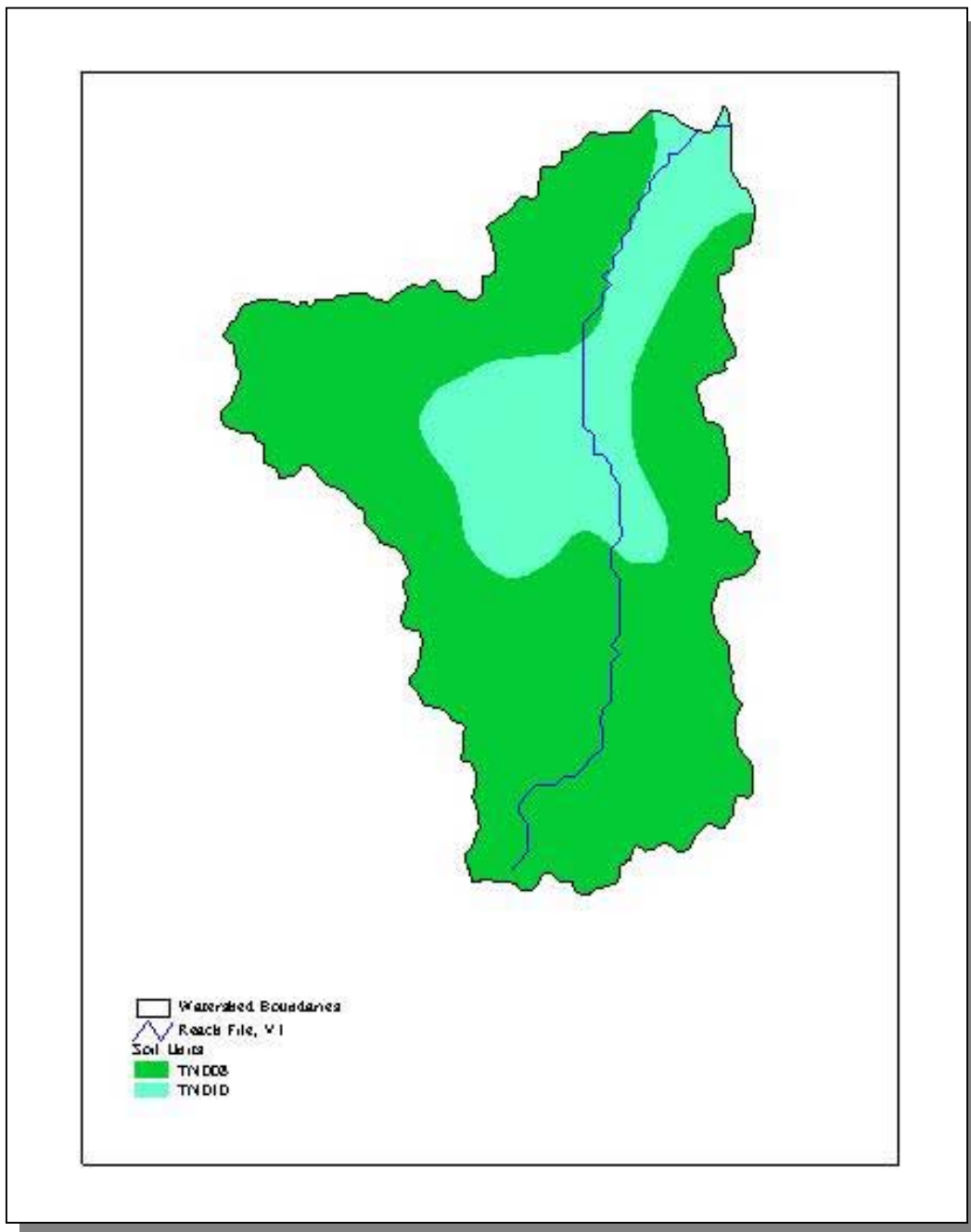


**Figure 4-109. Location of Subwatershed 08010205220.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.V.i. General Description.



**Figure 4-110. Land Use Distribution in Subwatershed 08010205220.** More information is provided in SFFD-Appendix IV.



**Figure 4-111. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205220.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

**Table 4-128. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205220.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Haywood	19,437	19,709	5.37	1,043	1,058	1.4

**Table 4-129. Population Estimates in Subwatershed 08010205220.**

**4.2.V.ii.** Point Source Contributions.

No Contributions.

**4.2.V.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Milk Cow	Hogs	Sheep
146	263	1	74	1

**Table 4-130. Summary of Livestock Count Estimates in Subwatershed 08010205220.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

**Table 4-131. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 08010205220.**

CROP	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Corn (Row Crops)	7.47
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
Cotton (Row Crops)	12.50
Other Vegetable and Truck Crops	4.20
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Grass (Pastureland)	0.70
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.61
Conservation Reserve Program Land	0.91
Fruit (Horticultural)	0.76
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Other Land in Farms	0.16

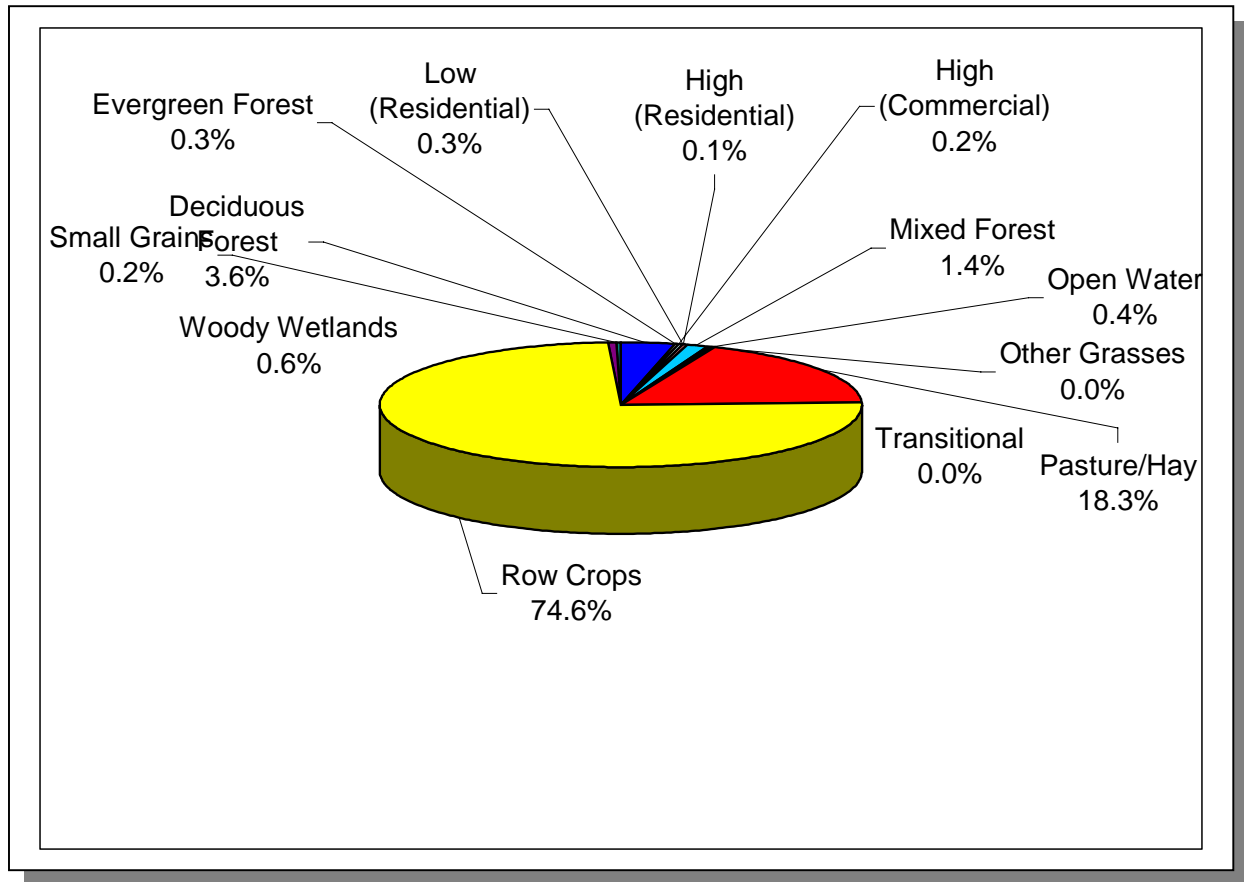
**Table 4-132. Annual Estimated Total Soil Loss in Subwatershed 08010205220.**

4.2.W. 08010208230.

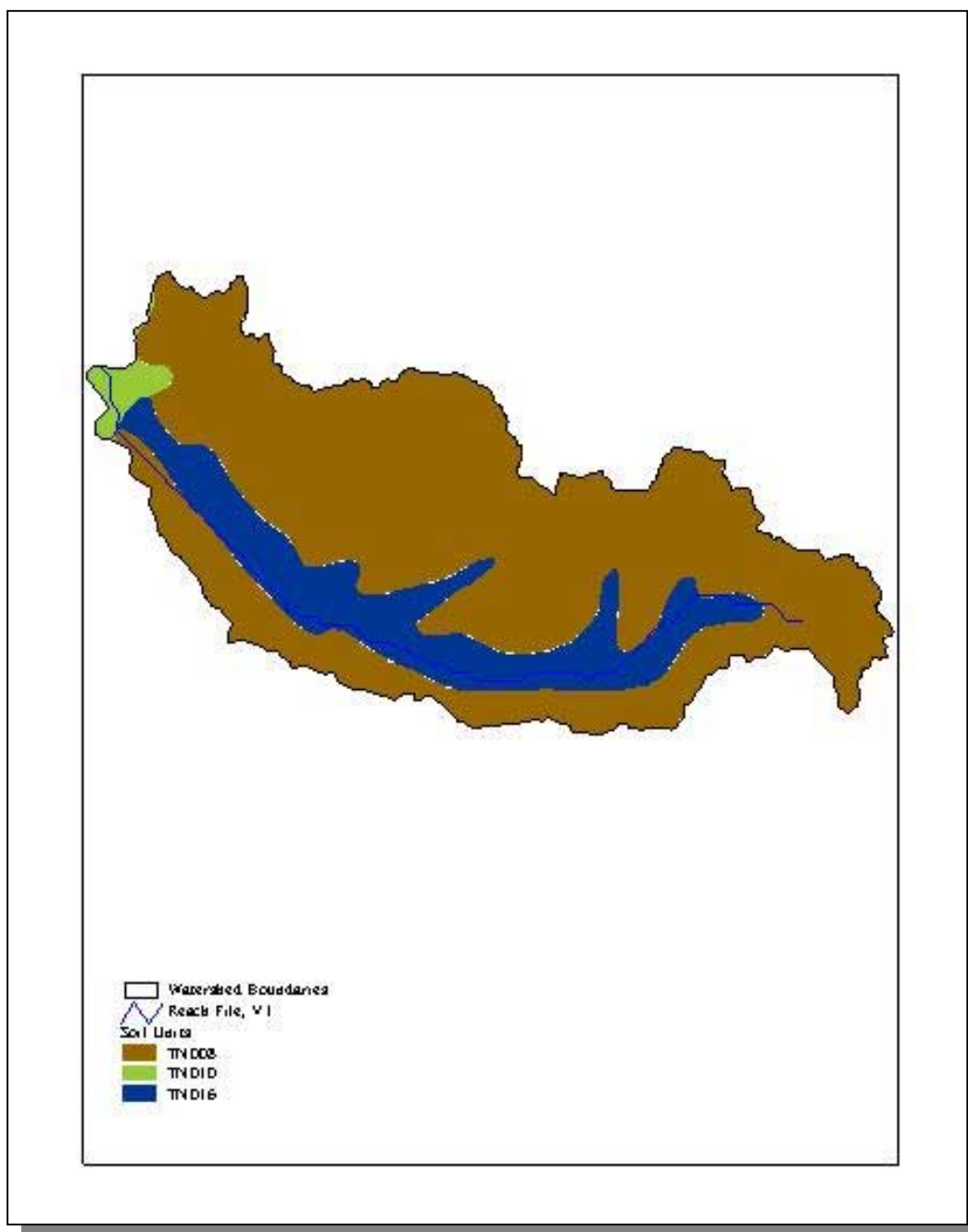


**Figure 4-112. Location of Subwatershed 08010205230.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.W.i. General Description.



**Figure 4-113. Land Use Distribution in Subwatershed 08010205230.** More information is provided in SFFD-Appendix IV.



**Figure 4-114. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205230.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN016	0.00	C	1.30	6.47	Silty Loam	0.44

**Table 4-133. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205230.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Crockett	13,378	13,841	13.01	1,740	1,801	3.5

**Table 4-134. Population Estimates in Subwatershed 08010205230.**

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Maury City	Crockett	781	318	22	288	8

**Table 4-135. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205230.**

**4.2.W.ii.** Point Source Contributions.

No Contribution.

**4.2.W.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Milk Cow	Chickens	Sheep
362	630	<5	<5	<5

**Table 4-136. Summary of Livestock Count Estimates in Subwatershed 08010205230.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

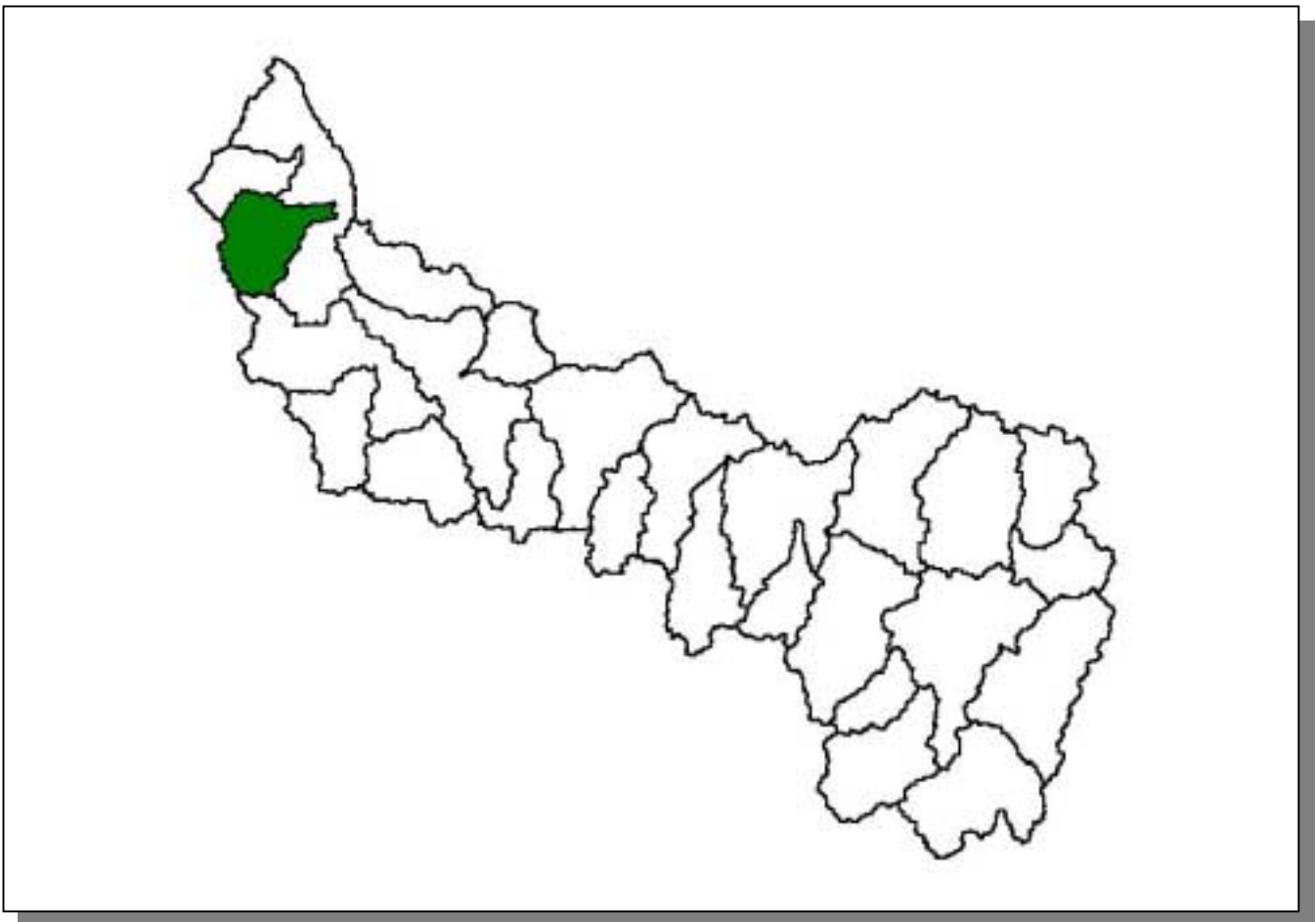
	INVENTORY		REMOVAL RATE	
County	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Crockett	15.1	15.1	0.3	1.6

**Table 4-137. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205230.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	3.47
Soybeans (Row Crops)	14.32
Cotton (Row Crops)	13.33
Grass (Hayland)	0.31
Grass (Pastureland)	0.70
Grass, Forbs, Legumes (Mixed Pasture)	0.20
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.24
Other Land in Farms	0.15
Conservation Reserve Program Land	0.62
Forest Land (Grazed)	0.00

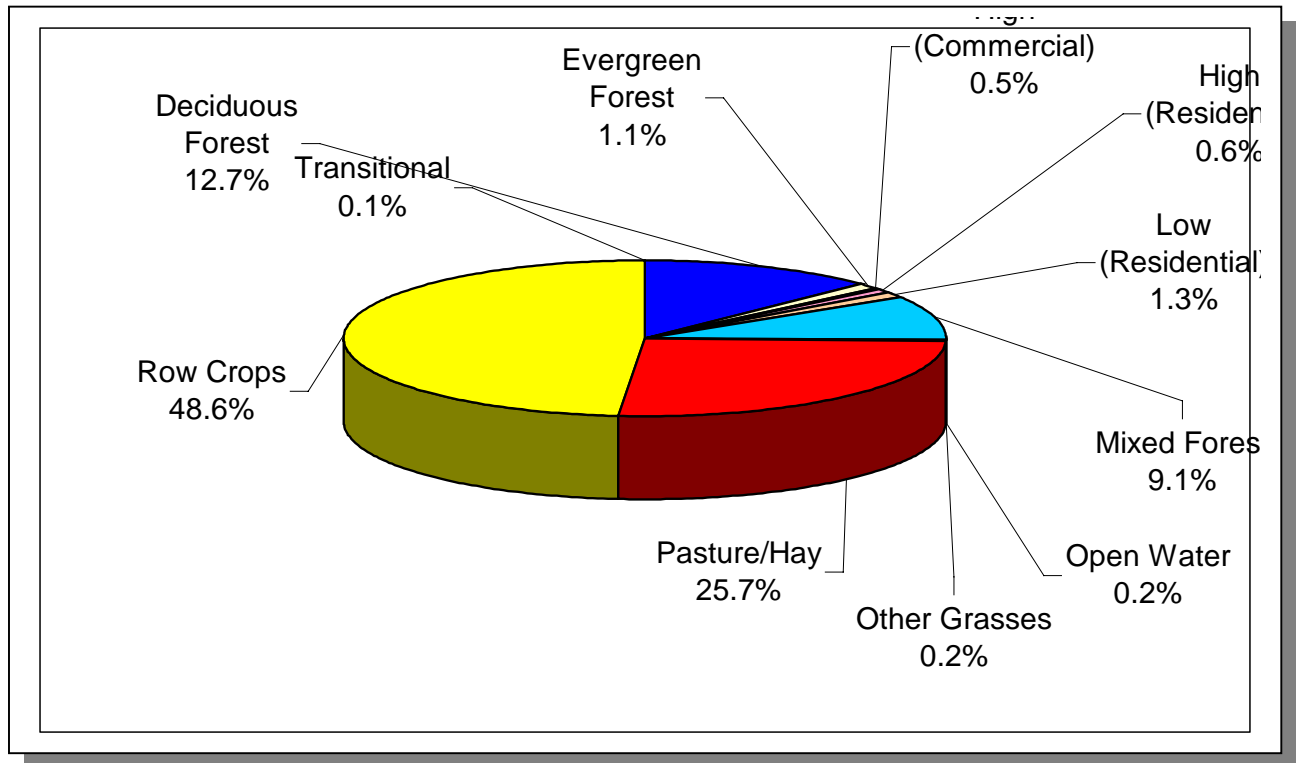
**Table 4-138. Annual Estimated Total Soil Loss in Subwatershed 08010205230.**

**4.2.X. 08010205240.**

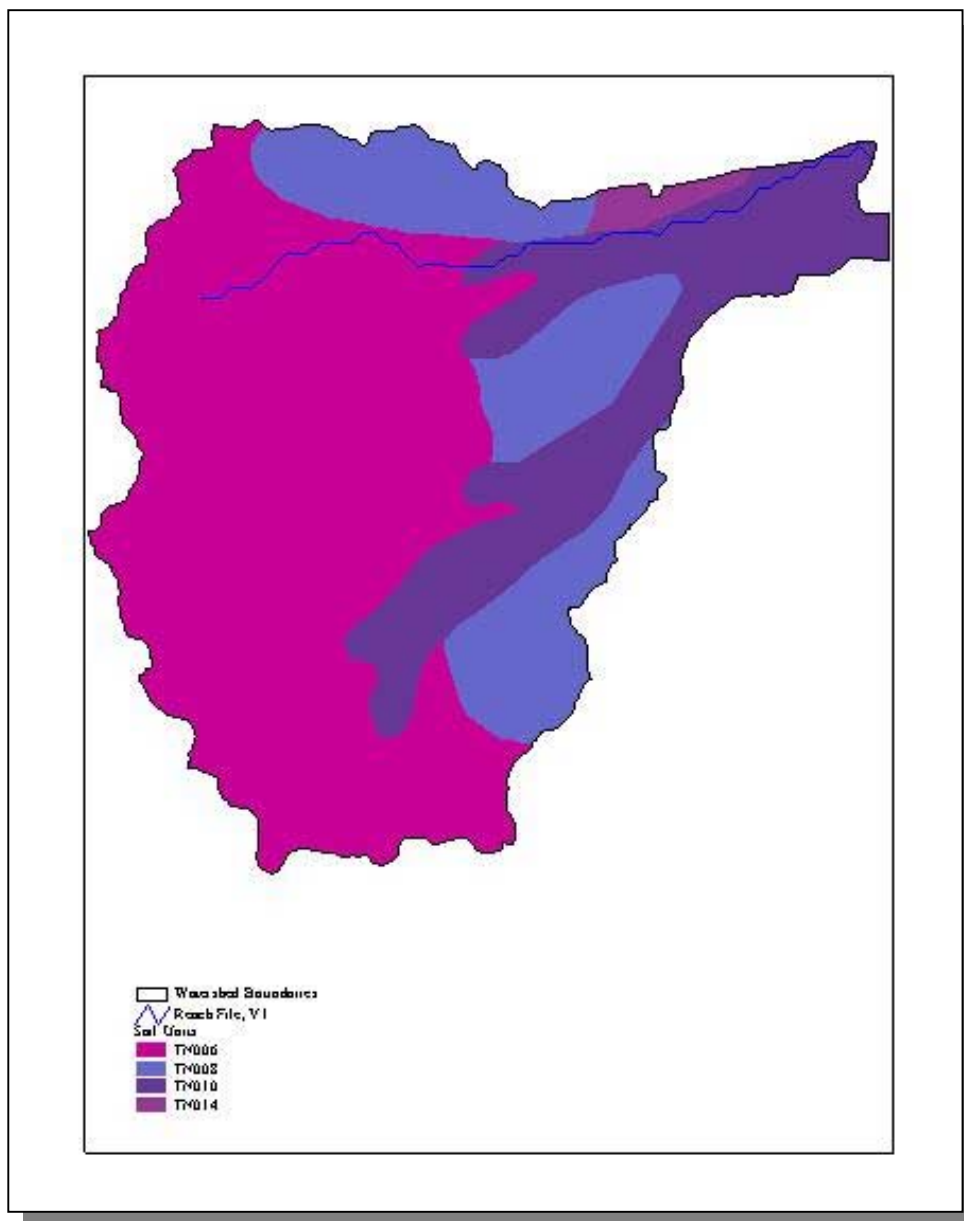


**Figure 4-115. Location of Subwatershed 08010205240.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.X.i. General Description.



**Figure 4-116. Land Use Distribution in Subwatershed 08010205240.** More information is provided in SFFD-Appendix IV.



**Figure 4-117. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205240.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

**Table 4-139. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205240.** More information is provided in SFFD-Appendix IV.

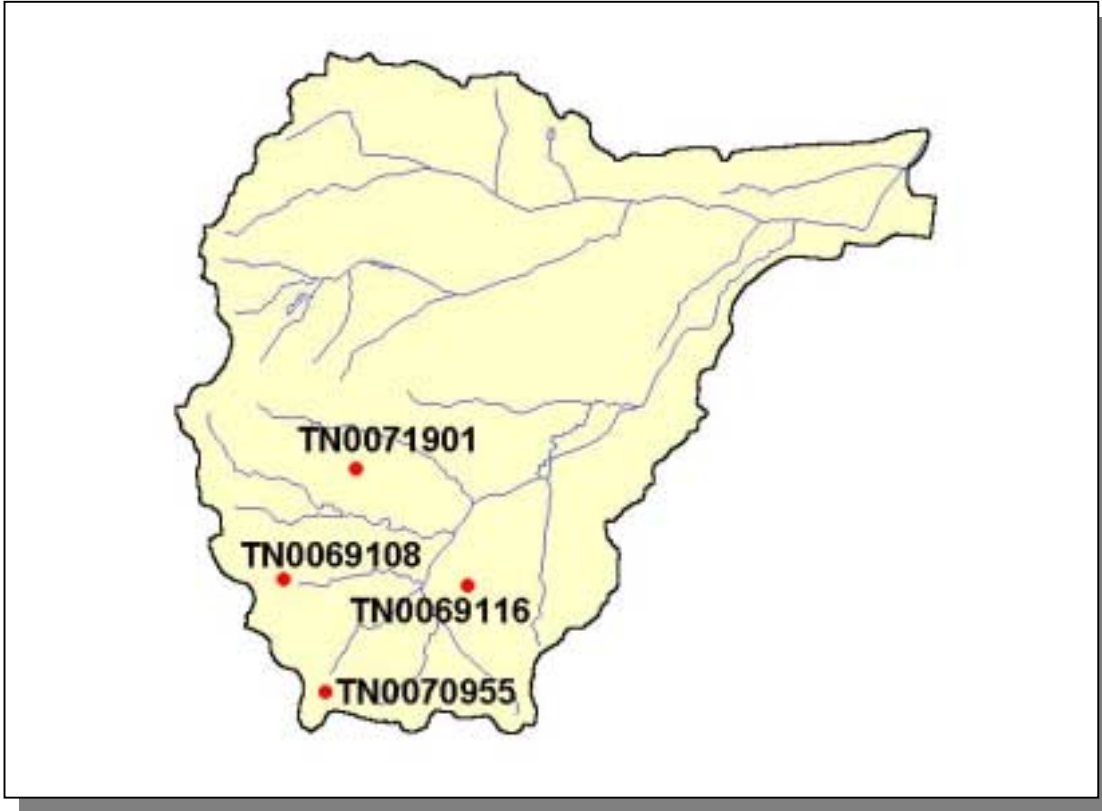
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Haywood	19,437	19,709	0.1	20	20	0.0
Lauderdale	23,491	24,128	5.92	1,392	1,429	2.7
<b>Totals</b>	<b>42,928</b>	<b>43,837</b>		<b>1,412</b>	<b>1,449</b>	<b>2.6</b>

*Table 4-140. Population Estimates in Subwatershed 08010205240.*

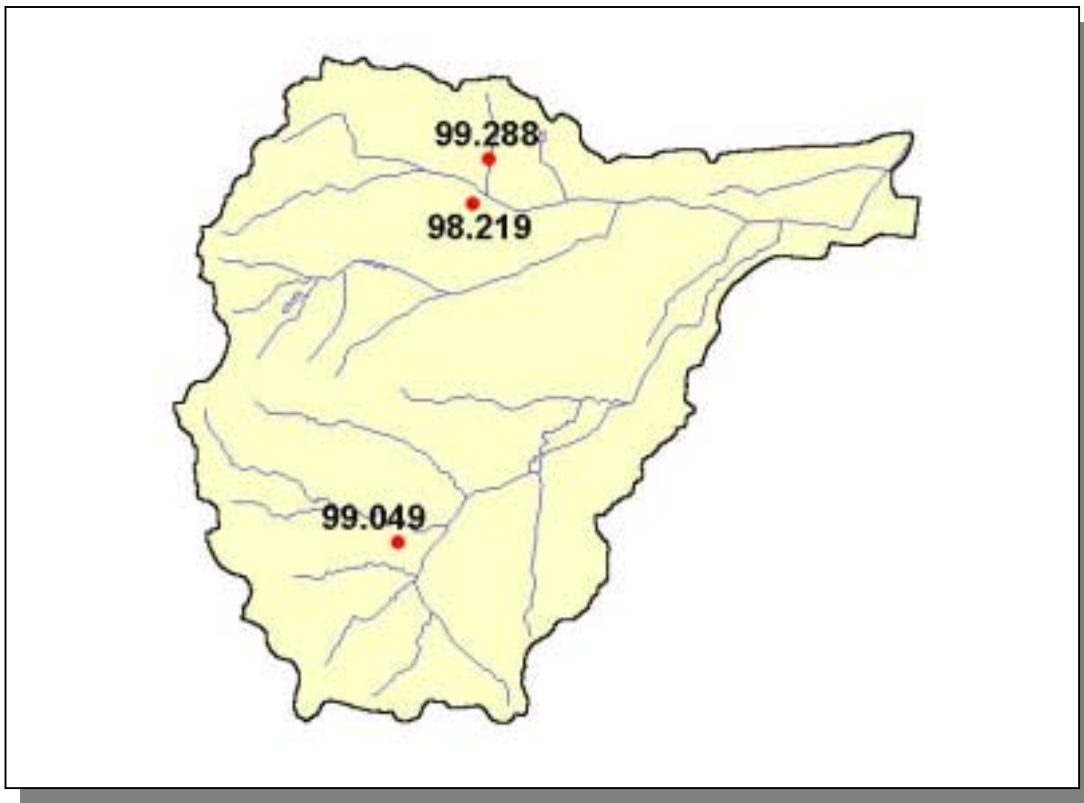
			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Gates	Lauderdale	597	234	219	13	2
Halls	Lauderdale	2,429	1,052	973	71	8
<b>Totals</b>		<b>3,026</b>	<b>1,286</b>	<b>1,192</b>	<b>84</b>	<b>10</b>

*Table 4-141. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205240.*

**4.2.X.ii.** Point Source Contributions.



**Figure 4-118. Location of Active Mining Sites in Subwatershed 08010205240.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-119. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205240.**  
More information is provided in SFFD-Appendix IV.

**4.2.X.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Chickens	Hogs	Sheep
5	1,333	<5	359	<5

**Table 4-142. Summary of Livestock Count Estimates in Subwatershed 08010205240.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

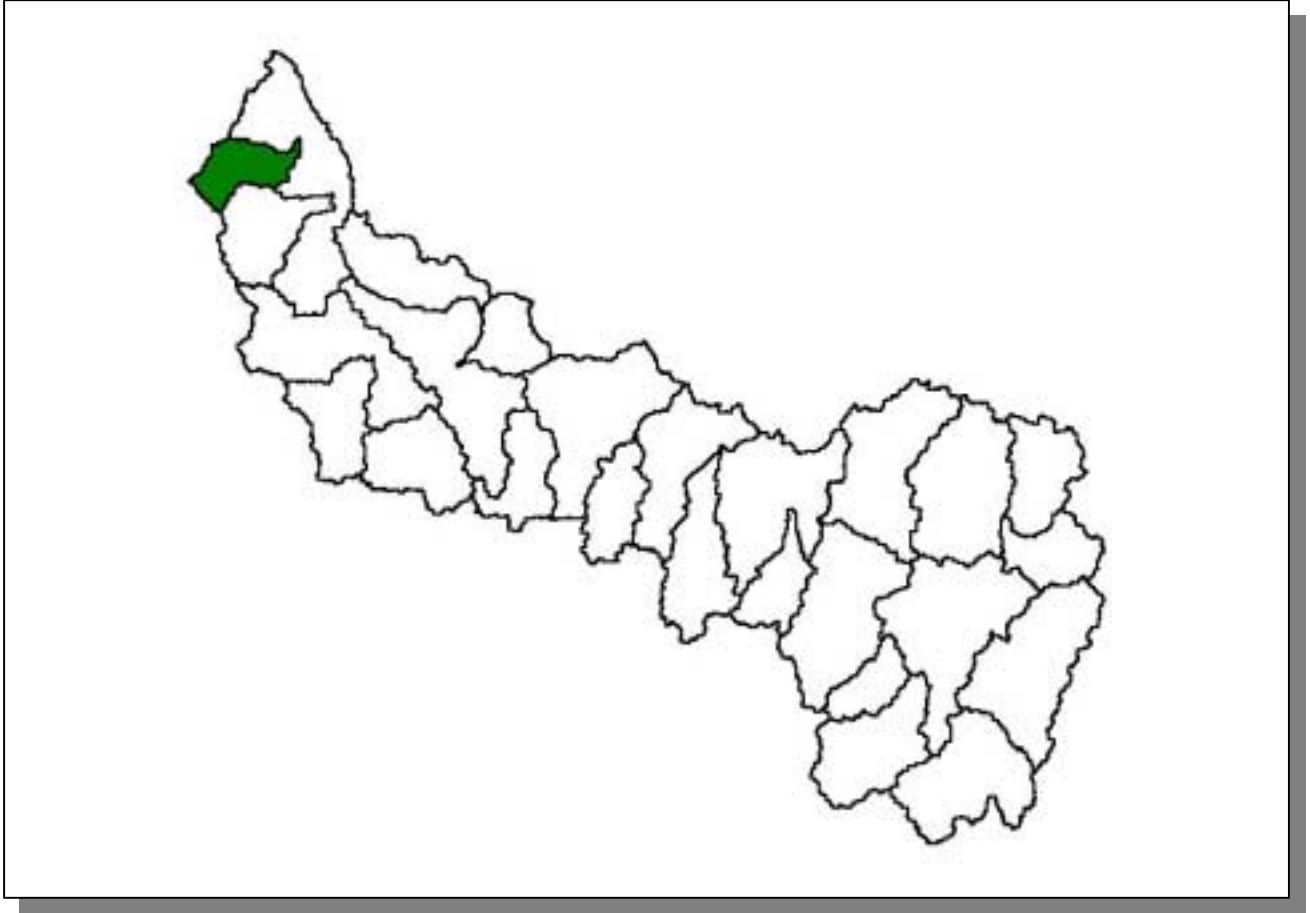
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4
Lauderdale	90	88.8	0.4	1.2
<b>Totals</b>	<b>161.2</b>	<b>160.0</b>	<b>2.1</b>	<b>7.6</b>

**Table 4-143. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205240.**

CROP	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Corn (Row Crops)	14.64
Soybeans (Row Crops)	13.39
Cotton (Row Crops)	13.51
Grass (Pastureland)	2.24
Grass, Forbs, Legumes (Mixed Pasture)	2.37
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.10
Other Land in Farms	0.05
Conservation Reserve Program Land	1.77
Other Vegetable and Truck Crop	4.00
Wheat (Close Grown Cropland)	9.27
Grass (Hayland)	0.43
Legume (Hayland)	0.65
Legume Grass (Hayland)	0.58
Summer Fallow (Other Cropland)	8.70
Sorghum (Row Crops)	4.02
All Other Close Grown Cropland	3.08
Other Cropland not Planted	0.85
Fruit (Horticultural)	0.76

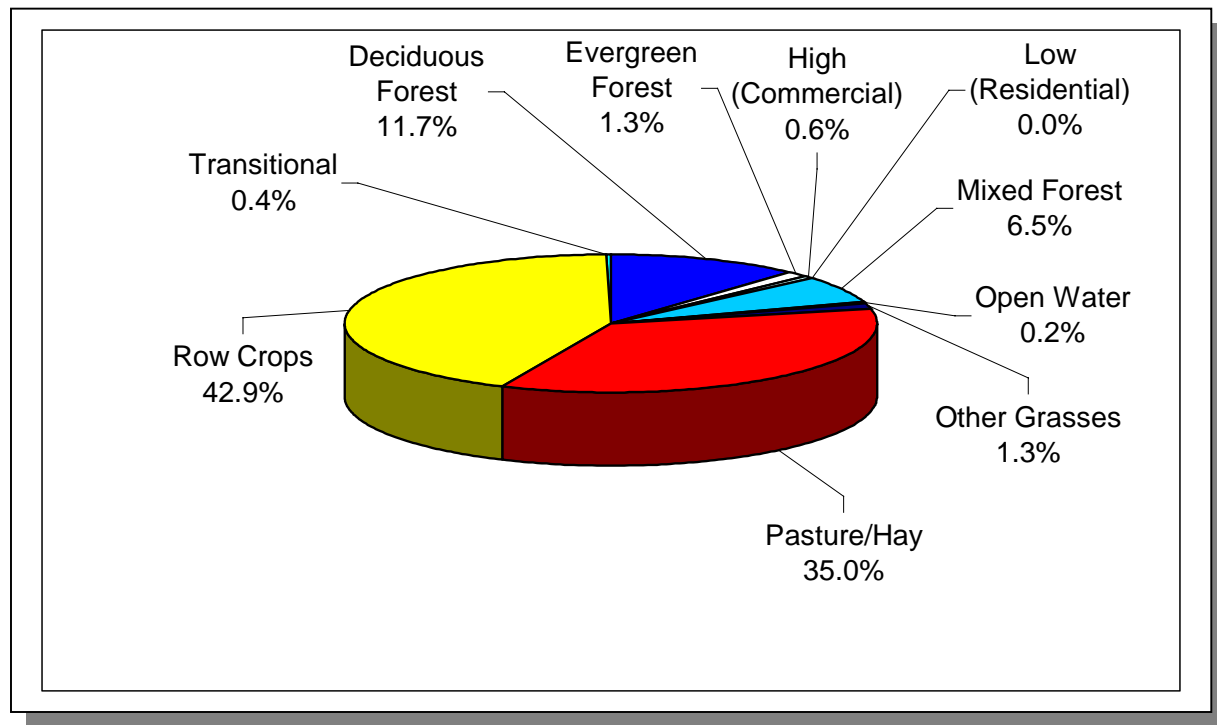
**Table 4-144. Annual Estimated Total Soil Loss in Subwatershed 08010205240.**

4.2.Y. 08010205250.

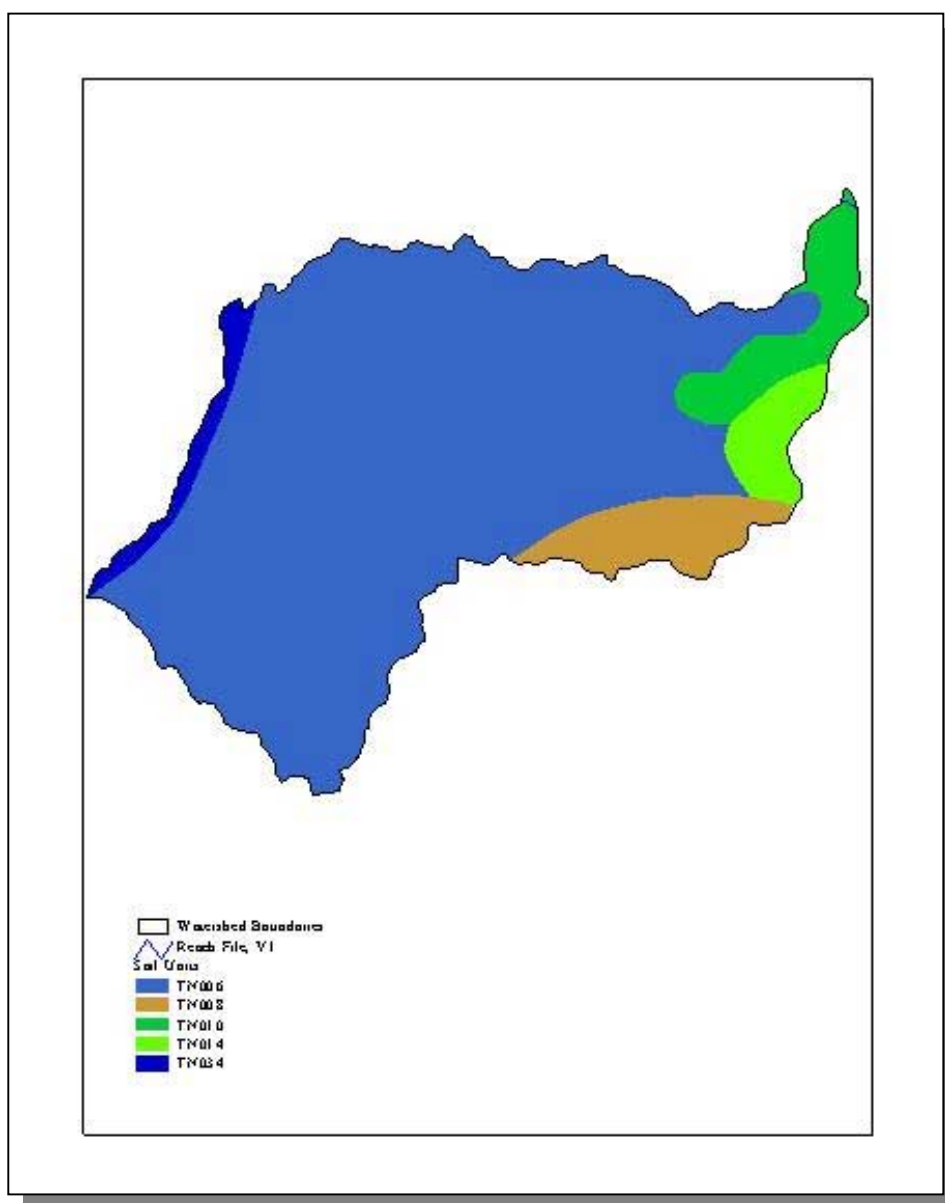


**Figure 4-120. Location of Subwatershed 08010205250.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.Y.i. General Description.



**Figure 4-121. Land Use Distribution in Subwatershed 08010205250.** More information is provided in SFFD-Appendix IV.



**Figure 4-122. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205250.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47
TN034	36.00	D	0.48	6.07	Silty Clayey Loam	0.35

**Table 4-145. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205250.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Lauderdale	23,491	24,128	3.75	882	906	2.7

**Table 4-146. Population Estimates in Subwatershed 08010205250.**

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Halls	Lauderdale	2429	1,052	973	71	8

**Table 4-147. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205250.**

**4.2.Y.ii.** Point Source Contributions.

No contributions.

**4.2.Y.iii.** Nonpoint Source Contributions.

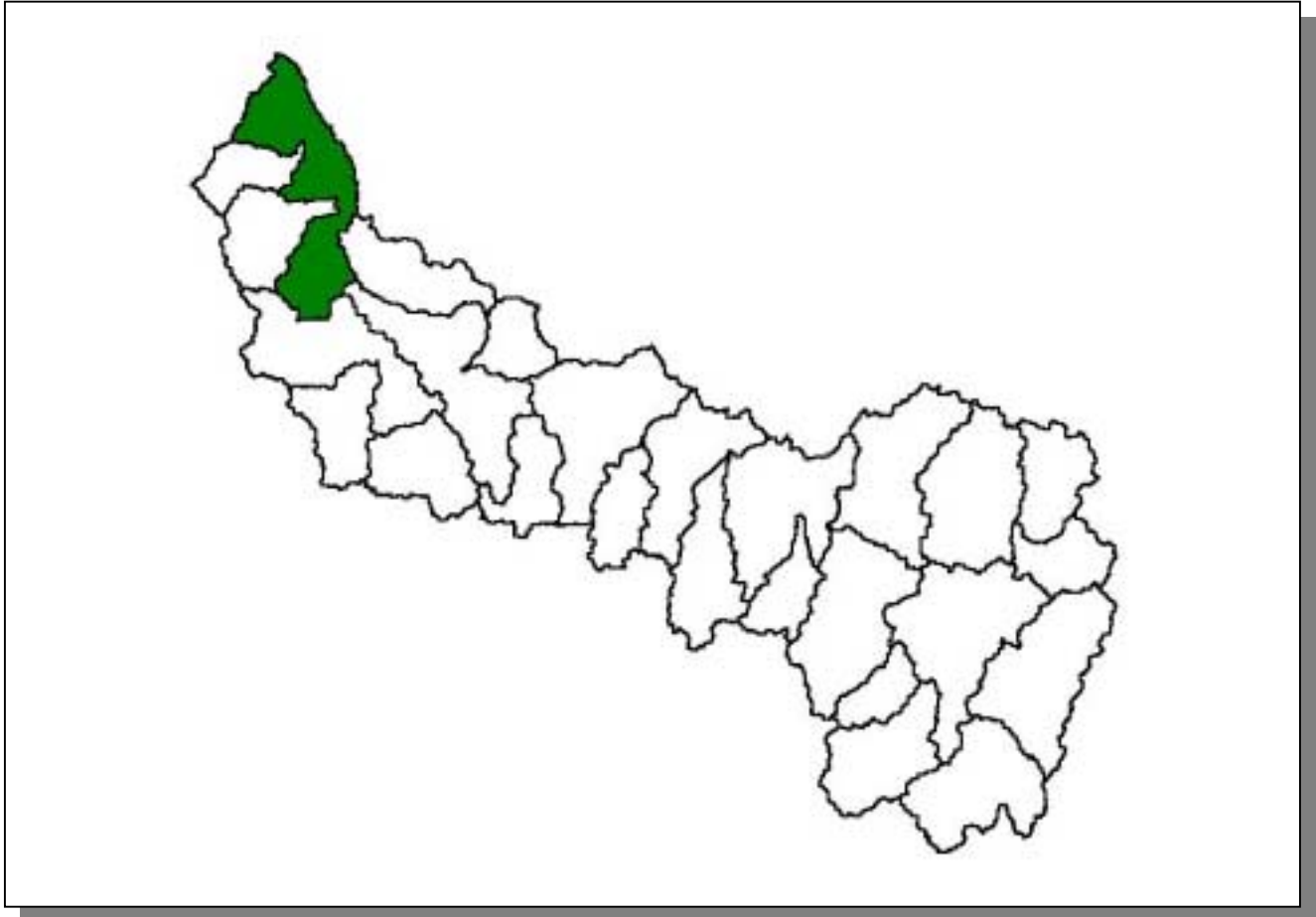
LIVESTOCK (COUNTS)			
Cattle	Chickens	Hogs	Sheep
1,143	<5	308	<5

**Table 4-148. Summary of Livestock Count Estimates in Subwatershed 06010208250.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Grass (Pastureland)	0.43
Forest Land (Not Grazed)	0.00
Non Agricultural Land Use	0.00
Grass, Forbs, Legumes (Mixed Pasture)	0.11
Forest Land (Grazed)	0.00
Farmsteads and Ranch Headquarters	0.04
Corn (Row Crops)	7.18
Grass (Hayland)	0.77
Legume Grass (Hayland)	0.22
Tobacco (Row Crops)	1.62
Other Vegetable and Truck Crops	12.06
Legume (Hayland)	1.07
Other Land in Farms	0.23

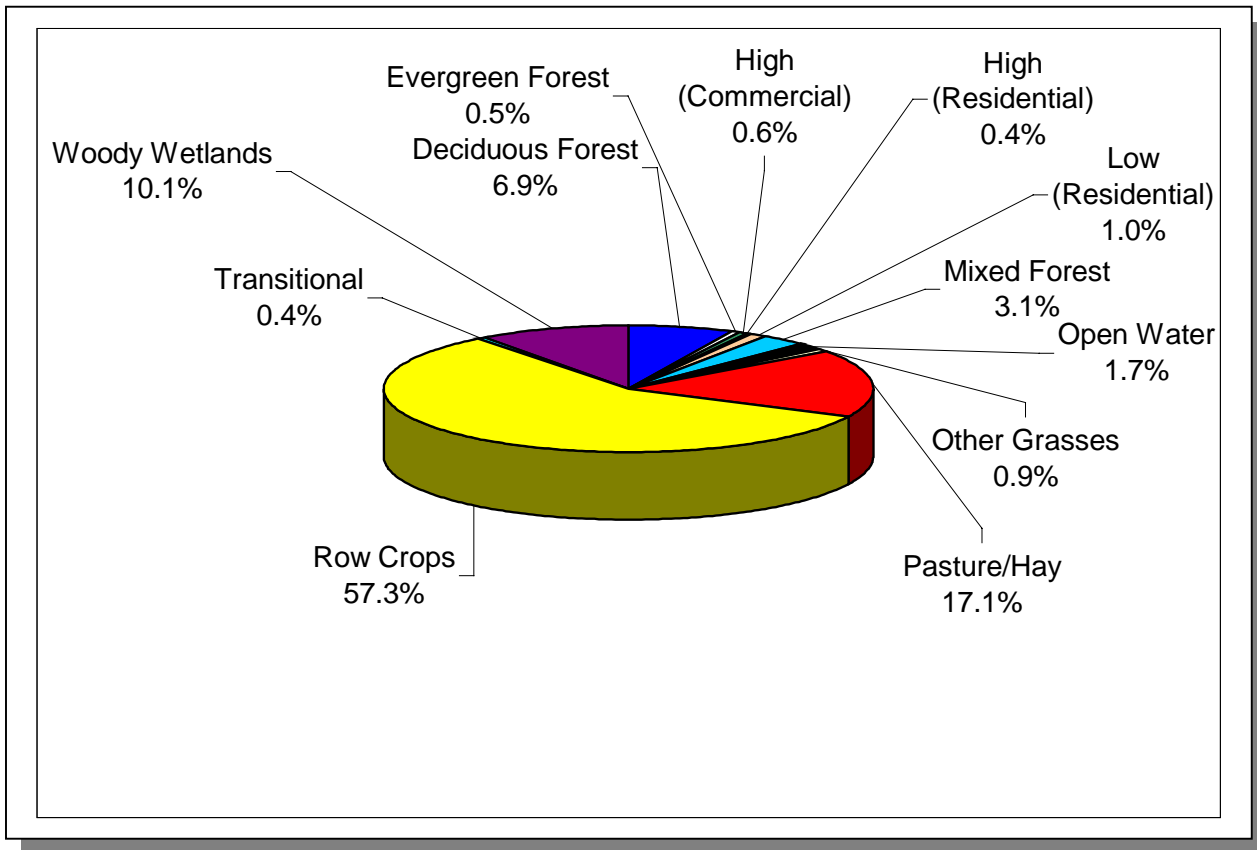
**Table 4-149. Annual Estimated Total Soil Loss in Subwatershed 06010208250.**

4.2.Z. 08010205260.

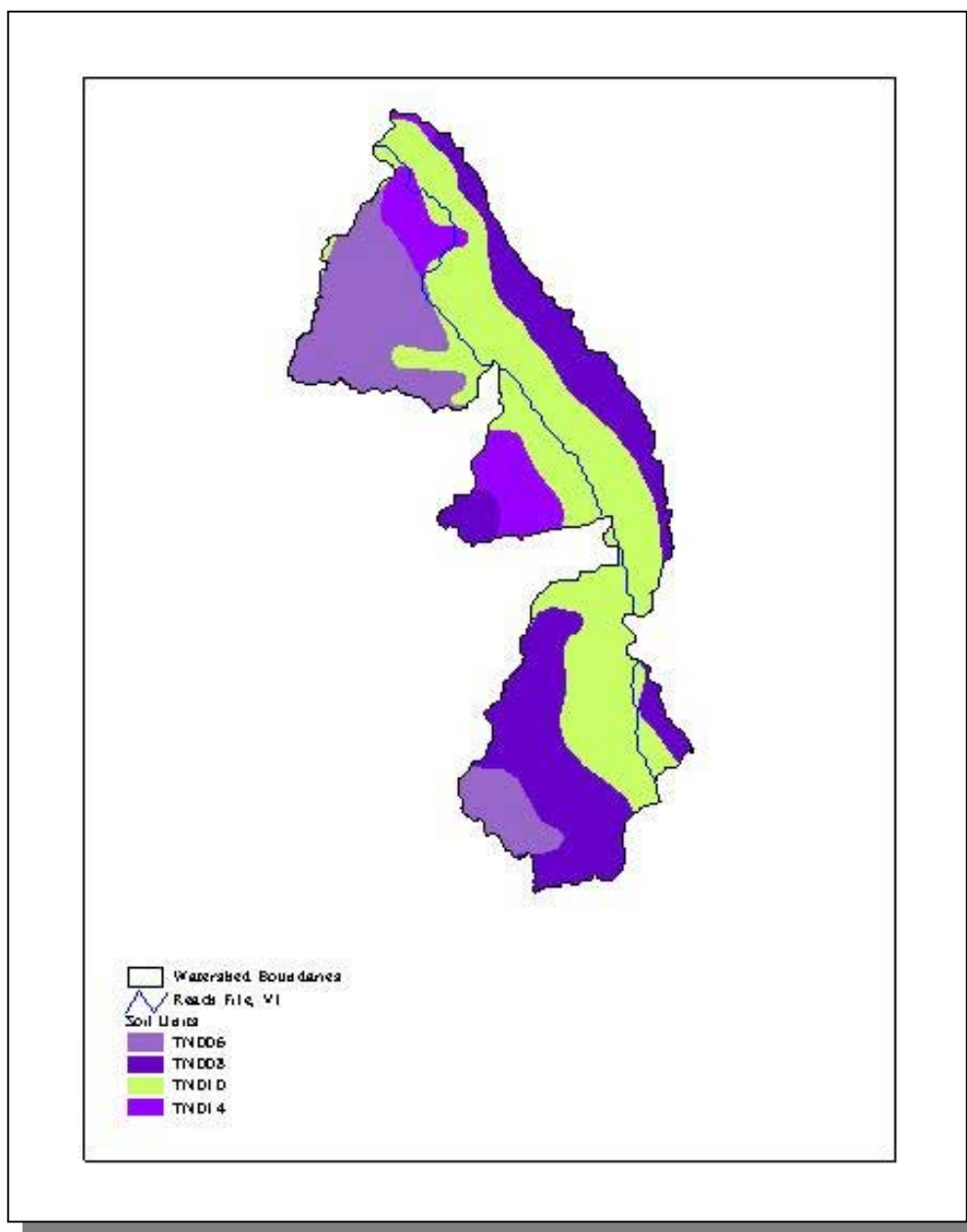


**Figure 4-123. Location of Subwatershed 08010205260.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.Z.i. General Description.



**Figure 4-124. Land Use Distribution in Subwatershed 08010205260.** More information is provided in SFFD-Appendix IV.



**Figure 4-125. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205260.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN006	0.00	C	1.30	5.42	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN014	30.00	C	1.30	5.12	Silty Loam	0.47

**Table 4-150. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205260.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Crockett	13,378	13,841	1.64	220	227	3.2
Dyer	34,854	36,465	3.94	1,372	1,435	4.6
Haywood	19,437	19,709	2.35	458	464	1.3
Lauderdale	23,491	24,128	4.7	1,104	1,134	2.7
<b>Totals</b>	<b>91,160</b>	<b>94,143</b>		<b>3,154</b>	<b>3,260</b>	<b>3.4</b>

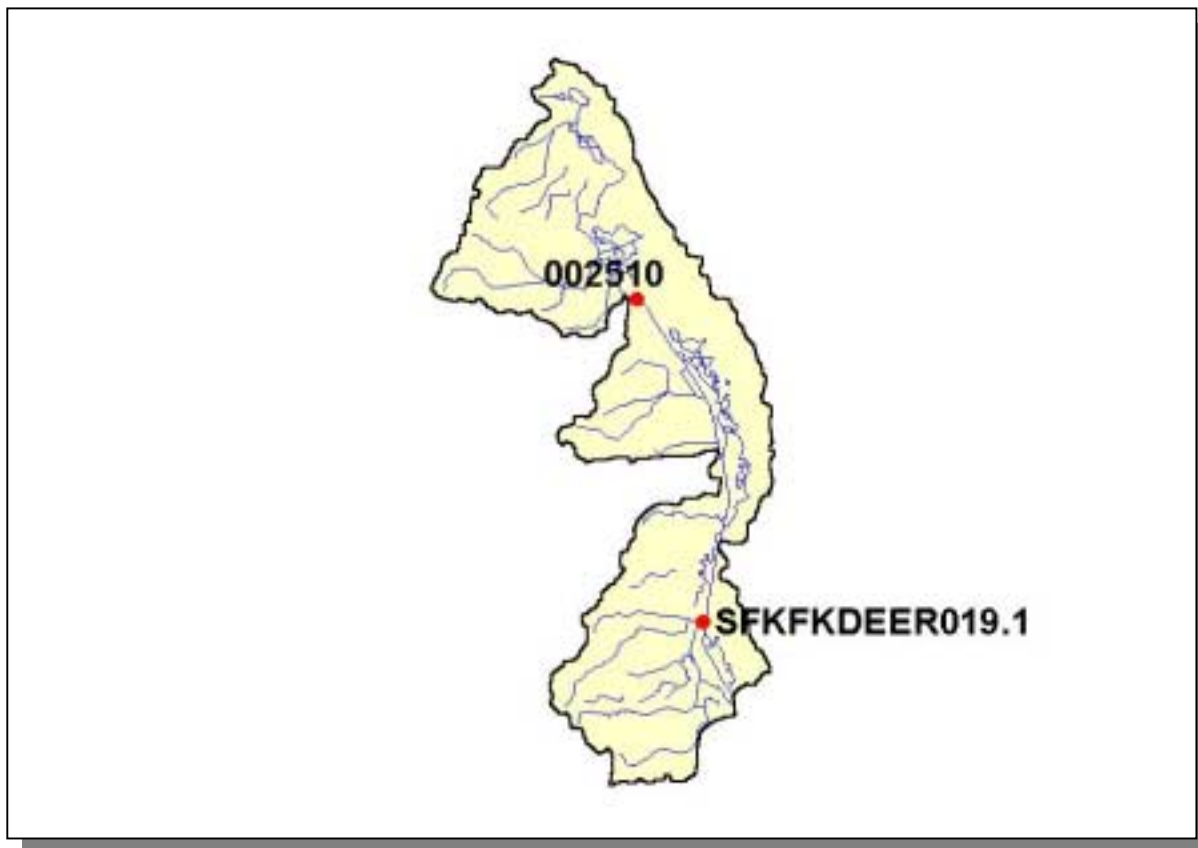
*Table 4-151. Population Estimates in Subwatershed 08010205260.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Halls	Lauderdale	2,429	1,052	973	71	8

*Table 5-152. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205260.*



**Figure 4-126. Historical Streamflow Data Collection Sites in Subwatershed 08010205260.**  
More information is provided in SFFD-Appendix IV.



**Figure 4-127. Location of STORET Stations in Subwatershed 08010205260.** More information is provided in SFFD-Appendix IV.

**4.2.Z.ii.** Point Source Contributions.



**Figure 4-128. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205260.** More information, including the names of facilities, is provided in SFFD-Appendix IV.

**4.2.Z.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
113	1,754	<5	<5	332	<5

**Table 4-153. Summary of Livestock Count Estimates in Subwatershed 08010205260.** According to the Census of Agriculture, “Cattle” includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Crockett	15.1	15.1	0.3	1.6
Dyer	40.4	40.4	0.8	2.8
Haywood	71.2	71.2	1.7	6.4
Lauderdale	90.0	88.8	0.4	1.2
<b>Totals</b>	<b>216.7</b>	<b>216.5</b>	<b>3.2</b>	<b>12.0</b>

**Table 4-154. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205260.**

CROP	TONS/ACRE/YEAR
Soybeans (Row Crops)	9.54
Cotton (Row Crops)	10.50
Wheat (Close Grown Cropland)	6.73
Grass (Hayland)	0.98
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.60
Corn (Row Crops)	9.97
Sorghum (Row Crops)	5.19
Grass (Pastureland)	1.63
Grass, Forbs, Legumes (Mixed Pasture)	1.12
Forest Land (Grazed)	0.00
Conservation Reserve Program Land	1.05
Oats (Close Grown Cropland)	3.34
Other Cropland not Planted	1.17
Other Land in Farms	0.10
Non Agricultural Land Use	0.00
Other Vegetable and Truck Crops	4.07
Legume (Hayland)	0.65
Legume Grass (Hayland)	0.58
Summer Fallow (Other Cropland)	8.70
All Other Close Grown Cropland	3.08
Fruit (Horticultural)	0.76

**Table 4-155. Annual Estimated Total Soil Loss in Subwatershed 08010205260.**